



January 14, 2005

Miller Brooks Environmental Inc.
720 South Point Boulevard, Suite 207
Petaluma, CA 94954

ATTN: MR. JED DOUGLAS

SITE: FORMER CIRCLE K STORE 01106
1693 CENTRAL AVENUE
MCKINLEYVILLE, CALIFORNIA
LOP # 12698

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

This Quarterly Monitoring Report for Former Circle K Store 01106 is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **January 20, 2005**, this report will be distributed to the following:

Mark Verhey, Humboldt County Dept. of Public Health

Please send all comments to me at tsimpkins@trcsolutions.com. If you have any questions regarding this report, please call me at (949) 753-0101.

Sincerely,

TRC

A handwritten signature in black ink, appearing to read "Tim Simpkins".

Tim Simpkins
Technical Writer



January 14, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: FORMER CIRCLE K STORE 01106
1693 CENTRAL AVENUE
MCKINLEYVILLE, CALIFORNIA
LOP # 12698

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for Former Circle K Store 01106, located at 1693 Central Avenue, McKinleyville, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

A handwritten signature in black ink that appears to read "Anju Farfan".

Anju Farfan
QMS Operations Manager

CC: Mark Verhey, Humboldt County Dept. of Public Health
Jed Douglas, Miller Brooks Environmental

Enclosures
20-0400/01106R05.QMS



**QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004**

**FORMER CIRCLE K STORE 01106
1693 Central Avenue
McKinleyville, California
LOP # 12698**

Prepared For:

Mr. Thomas H. Kosei
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:

A handwritten signature of "Dennis E. Jensen" is written over a circular official seal. The seal contains the following text:
CERTIFIED ENGINEERING GEOLOGIST
DENNIS E. JENSEN
No. EG 1034
Exp. 9/05
STATE OF CALIFORNIA

Senior Project Geologist, Irvine Operations
January 14, 2005

LIST OF ATTACHMENTS

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Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
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Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
October 2004 through December 2004
Former Circle K Store 01106
1693 Central Avenue
McKinleyville, CA

Project Coordinator: **Thomas H. Kosel** Water Sampling Contractor: **TRC**
Telephone: **916-558-7666** Compiled by: **Tim Simpkins**

Date(s) of Gauging/Sampling Event: **11/09/04**

Sample Points

Groundwater wells: **5** onsite, **4** offsite Wells gauged: **9** Wells sampled: **7**

Purging method: **Diaphragm pump**

Purge water disposal: **Onyx/Rodeo Unit 100**

Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**

LPH removal frequency: **n/a** Method: **n/a**

Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **7.91 feet** Maximum: **14.13 feet**

Average groundwater elevation (relative to available local datum): **140.22 feet**

Average change in groundwater elevation since previous event: **-1.04 feet**

Interpreted groundwater gradient and flow direction:

Current event: **0.02 ft/ft, northwest**

Previous event: **0.06 ft/ft, northwest (08/03/04)**

Selected Laboratory Results

Wells with detected **Benzene**: **0** Wells above MCL (1.0 µg/l): **n/a**

Maximum reported benzene concentration: **n/a**

Wells with **TPH-G** **2** Maximum: **86 µg/l (MW-2)**

Wells with **MTBE** **5** Maximum: **130 µg/l (MW-2)**

Notes:

MW-4=Sampled semi-annually, MW-8=Sampled semi-annually,

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

-	= not analyzed, measured, or collected
LPH	= liquid-phase hydrocarbons
Trace	= less than 0.01 foot of LPH in well
$\mu\text{g/l}$	= micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	= milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	= not detected at or above laboratory detection limit
TOC	= top of casing (surveyed reference elevation)

ANALYTES

BTEX	= benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	= di-isopropyl ether
ETBE	= ethyl tertiary butyl ether
MTBE	= methyl tertiary butyl ether
PCB	= polychlorinated biphenyls
PCE	= tetrachloroethene
TBA	= tertiary butyl alcohol
TCA	= trichloroethane
TCE	= trichloroethene
TPH-G	= total petroleum hydrocarbons with gasoline distinction
TPH-D	= total petroleum hydrocarbons with diesel distinction
TPPH	= total purgeable petroleum hydrocarbons
TRPH	= total recoverable petroleum hydrocarbons
TAME	= tertiary amyl methyl ether
1,1-DCA	= 1,1-dichloroethane
1,2-DCA	= 1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	= 1,1-dichloroethene
1,2-DCE	= 1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation - Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

REFERENCE

TRC began groundwater monitoring and sampling for Circle K Store 01106 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan, Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 9, 2004

Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B	TPPH 8260B	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE 8021B	MTBE 8260B	Comments
				(μg/l)	(μg/l)	(μg/l)	(μg/l)	(μg/l)	(μg/l)	(μg/l)	(μg/l)	(μg/l)	(μg/l)	
MW-1	11/09/04	149.55	8.48	0.00	141.07	-0.32	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
MW-2	11/09/04	150.14	9.85	0.00	140.29	-1.02	86	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	130
MW-3	11/09/04	150.54	8.22	0.00	142.32	-5.03	52	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	41
MW-4	11/09/04	150.66	8.14	0.00	142.52	0.42	--	--	--	--	--	--	--	Sampled semi-annually
MW-5	11/09/04	150.16	10.00	0.00	140.16	-0.79	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
MW-6	11/09/04	150.45	7.91	0.00	142.54	0.10	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	36
MW-7	11/09/04	149.62	11.05	0.00	138.57	1.48	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.8
MW-8	11/09/04	150.49	14.13	0.00	136.36	0.52	--	--	--	--	--	--	--	Sampled semi-annually
MW-9	11/09/04	149.97	11.85	0.00	138.12	-4.75	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.96

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2004
Former Circle K Store 01106

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
02/16/00	149.55	4.68	0.00	144.87	--	ND	ND	ND	ND	ND	ND	290	190	
06/29/00	149.55	7.22	0.00	142.33	-2.54	ND	--	6.4	ND	ND	ND	150	220	
09/18/00	149.55	9.60	0.00	139.95	-2.38	ND	--	ND	ND	ND	ND	120	96	
12/14/00	149.55	9.22	0.00	140.33	0.38	ND	--	3	ND	ND	ND	72	66	
03/07/01	149.55	6.61	0.00	142.94	2.61	ND	--	ND	ND	ND	ND	82.4	67	
06/05/01	149.55	9.18	0.00	140.37	-2.57	ND	--	ND	ND	ND	ND	7.6	3.3	
09/11/01	149.55	12.18	0.00	137.37	-3.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	69	
12/11/01	149.55	6.44	0.00	143.11	5.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	41	48	
03/12/02	149.55	4.45	0.00	145.10	1.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	5.1	
06/17/02	149.55	7.48	0.00	142.07	-3.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/10/02	149.55	10.98	0.00	138.57	-3.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.6	
12/10/02	149.55	12.78	0.00	136.77	-1.80	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/11/03	149.55	4.76	0.00	144.79	8.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	149.55	5.77	0.00	143.78	-1.01	ND<50	--	0.55	0.58	ND<0.50	ND<0.50	6.4	ND<2.0	
09/10/03	149.55	9.53	0.00	140.02	-3.76	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
12/09/03	149.55	7.37	0.00	142.18	2.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0		
03/17/04	149.55	4.60	0.00	144.95	2.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<5.0	4.9		
06/02/04	149.55	5.74	0.00	143.81	-1.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<5.0	2.0		
08/03/04	149.55	8.16	0.00	141.39	-2.42	ND<50	--	ND<0.3	0.54	0.47	1.6	1.3	ND<0.5	
11/09/04	149.55	8.48	0.00	141.07	-0.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-2														
02/16/00	150.14	5.32	0.00	144.82	--	6000	--	1500	32	98	2500	22000	19000	
06/29/00	150.14	8.63	0.00	141.51	-3.31	3100	--	1200	350	26	760	3900	5200	
09/18/00	150.14	10.66	0.00	139.48	-2.03	900	--	460	2.6	ND	14	4000	3100	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2004
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
12/14/00	150.14	11.25	0.00	138.89	-0.59	730	--	270	ND	ND	ND	3400	3500	
03/07/01	150.14	7.44	0.00	142.70	3.81	6040	--	637	116	87.2	439	7610	8700	
06/05/01	150.14	10.04	0.00	140.10	-2.60	2700	--	140	74	ND	37	8700	7500	
09/11/01	150.14	13.52	0.00	136.62	-3.48	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1900	2400	
12/11/01	150.14	6.50	0.00	143.64	7.02	640	--	310	18	15	35	6800	4900	
03/12/02	150.14	3.13	0.00	147.01	3.37	240	--	48	1.1	ND<0.50	6.2	480	560	
06/17/02	150.14	8.62	0.00	141.52	-5.49	970	--	390	140	5.8	180	1800	2400	
09/10/02	150.14	12.45	0.00	137.69	-3.83	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	2000	
12/10/02	150.14	13.93	0.00	136.21	-1.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	21	
03/11/03	150.14	3.84	0.00	146.30	10.09	ND<50	--	3.2	0.85	ND<0.50	2.7	19	6.5	
06/10/03	150.14	5.95	0.00	144.19	-2.11	1200	--	310	84	25	180	1100	500	
09/10/03	150.14	9.92	0.00	140.22	-3.97	--	1300	260	17	18	34	--	1900	
12/10/03	150.14	7.38	0.00	142.76	2.54	2000	--	110	ND<13	ND<13	ND<13	1200	1700	
03/17/04	150.14	3.28	0.00	146.86	4.10	120	--	6.5	ND<0.50	ND<0.50	ND<0.50	150	150	
06/02/04	150.14	6.36	0.00	143.78	-3.08	430	--	20	7.9	ND<2.5	10	370	380	
08/03/04	150.14	8.83	0.00	141.31	-2.47	160	--	0.34	0.50	ND<0.3	0.66	160	210	
11/09/04	150.14	9.85	0.00	140.29	-1.02	86	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	130	
MW-3														
02/16/00	150.54	4.83	0.00	145.71	--	ND	--	ND	ND	ND	ND	5.2	3.1	
06/29/00	150.54	7.83	0.00	142.71	-3.00	ND	--	ND	ND	ND	ND	7.9	7.1	
09/18/00	150.54	10.73	0.00	139.81	-2.90	ND	--	ND	ND	ND	ND	65	37	
12/14/00	150.54	10.30	0.00	140.24	0.43	ND	--	5	ND	ND	ND	89	78	
03/07/01	150.54	6.55	0.00	143.99	3.75	ND	--	ND	ND	ND	ND	14.7	29	
06/05/01	150.54	9.38	0.00	141.16	-2.83	ND	--	ND	ND	ND	ND	10	15	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2004
Former Circle K Store 01106

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
09/11/01	150.54	13.08	0.00	137.46	-3.70	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	75
12/11/01	150.54	4.66	0.00	145.88	8.42	ND<50	--	0.67	ND<50	ND<50	ND<50	ND<50	ND<50	110
03/12/02	150.54	2.39	0.00	148.15	2.27	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	18
06/17/02	150.54	7.61	0.00	142.93	-5.22	ND<50	--	0.50	ND<50	ND<50	ND<50	ND<50	ND<50	21
09/10/02	150.54	11.90	0.00	138.64	-4.29	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	70
12/10/02	150.54	12.74	0.00	137.80	-0.84	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	6.5
03/11/03	150.54	3.74	0.00	146.80	9.00	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
06/10/03	150.54	5.35	0.00	145.19	-1.61	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
09/10/03	150.54	9.67	0.00	140.87	-4.32	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	--
12/09/03	150.54	6.91	0.00	143.63	2.76	64	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	77
03/17/04	150.54	3.00	0.00	147.54	3.91	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<5.0	ND<2.0
06/02/04	150.54	5.72	0.00	144.82	-2.72	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	7.7
08/03/04	150.54	3.19	0.00	147.35	2.53	81	--	ND<3	ND<3	0.37	0.83	0.83	0.83	13
11/09/04	150.54	8.22	0.00	142.32	-5.03	52	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--
MW-4														
02/16/00	150.66	4.24	0.00	146.42	--	ND	--	ND	ND	ND	ND	ND	ND	8.7
06/29/00	150.66	7.15	0.00	143.51	-2.91	ND	--	ND	ND	ND	ND	ND	ND	7
09/18/00	150.66	9.90	0.00	140.76	-2.75	ND	--	ND	ND	ND	ND	ND	ND	18
12/14/00	150.66	9.09	0.00	141.57	0.81	ND	--	ND	ND	ND	ND	ND	ND	9.6
03/07/01	150.66	6.45	0.00	144.21	2.64	ND	--	ND	ND	ND	ND	ND	ND	9.0
06/05/01	150.66	9.09	0.00	141.57	-2.64	ND	--	ND	ND	ND	ND	ND	ND	ND
09/11/01	150.66	12.05	0.00	138.61	-2.96	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	26
12/11/01	150.66	5.73	0.00	144.93	6.32	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	5.3
03/12/02	150.66	3.96	0.00	146.70	1.77	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	12

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2004
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
06/17/02	150.66	7.51	0.00	143.15	-3.55	--	--	--	--	--	--	--	--	SAMPLED SEMI-ANNUALLY
09/10/02	150.66	11.08	0.00	139.58	-3.57	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	6.2	SAMPLED SEMI-ANNUALLY
12/10/02	150.66	12.01	0.00	138.65	-0.93	--	--	--	--	--	--	--	--	SAMPLED SEMI-ANNUALLY
03/11/03	150.66	4.59	0.00	146.07	7.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	MONITORED/SAMPLED SEMI-ANNUALLY
06/10/03	150.66	--	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
09/10/03	150.66	9.56	0.00	141.10	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	Monitored Only
12/09/03	150.66	7.40	0.00	143.26	2.16	--	--	--	--	--	--	--	--	Monitored Only
03/17/04	150.66	3.82	0.00	146.84	3.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	Monitored Only
06/02/04	150.66	5.97	0.00	144.69	-2.15	--	--	--	--	--	--	--	--	Monitored Only
08/03/04	150.66	8.56	0.00	142.10	-2.59	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	Sampled semi-annually
11/09/04	150.66	8.14	0.00	142.52	0.42	--	--	--	--	--	--	--	--	
MW-5														
12/14/00	150.16	11.11	0.00	139.05	--	ND	--	2.4	ND	ND	ND	40	49	
03/07/01	150.16	8.50	0.00	141.66	2.61	ND	--	ND	ND	ND	ND	15.7	15	
06/05/01	150.16	10.78	0.00	139.38	-2.28	ND	--	ND	ND	ND	ND	ND	ND	
09/11/01	150.16	13.24	0.00	136.92	-2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	38	52	
12/11/01	150.16	8.63	0.00	141.53	4.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	6.6	
03/12/02	150.16	6.25	0.00	143.91	2.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.5	3.2	
06/17/02	150.16	8.86	0.00	141.30	-2.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/10/02	150.16	11.85	0.00	138.31	-2.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
12/10/02	150.16	13.43	0.00	136.73	-1.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/11/03	150.16	6.01	0.00	144.15	7.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2004
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Groundwater Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
06/10/03	150.16	6.54	0.00	143.62	-0.53	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.0
09/10/03	150.16	10.47	0.00	139.69	-3.93	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	ND<1.0	ND<2.0
12/09/03	150.16	3.49	0.00	146.67	6.98	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<5.0	ND<2.0
03/17/04	150.16	4.38	0.00	145.78	-0.89	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<5.0	ND<2.0
06/02/04	150.16	6.75	0.00	143.41	-2.37	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<5.0	ND<5.0	ND<0.50
08/03/04	150.16	9.21	0.00	140.95	-2.46	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<0.3	ND<1	ND<0.5
11/09/04	150.16	10.00	0.00	140.16	-0.79	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50
MW-6														
12/14/00	150.45	10.54	0.00	139.91	--	110	--	44	ND	ND	ND	ND	760	1100
03/07/01	150.45	6.76	0.00	143.69	3.78	62.5	--	ND	ND	ND	ND	ND	498	550
06/05/01	150.45	9.94	0.00	140.51	-3.18	110	--	ND	ND	ND	ND	ND	790	680
09/11/01	150.45	12.75	0.00	137.70	-2.81	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	410	590
12/11/01	150.45	6.29	0.00	144.16	6.46	ND<50	--	11	ND<50	ND<50	ND<50	ND<50	400	390
03/12/02	150.45	4.18	0.00	146.27	2.11	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	150	150
06/17/02	150.45	7.30	0.00	143.15	-3.12	ND<50	--	2.6	ND<50	ND<50	ND<50	ND<50	100	120
09/10/02	150.45	11.62	0.00	138.83	-4.32	96	--	ND<50	ND<50	ND<50	ND<50	ND<50	150	190
12/10/02	150.45	--	--	--	--	--	--	--	--	--	--	--	--	--
03/11/03	150.45	--	--	--	--	--	--	--	--	--	--	--	--	--
06/10/03	150.45	5.70	0.00	144.75	--	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	82	46
09/10/03	150.45	9.36	0.00	141.09	-3.66	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1.0	ND<1.0	50
12/09/03	150.45	7.06	0.00	143.39	2.30	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	28	33
03/17/04	150.45	4.05	0.00	146.40	3.01	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	12	13
06/02/04	150.45	5.50	0.00	144.95	-1.45	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	14	15
08/03/04	150.45	8.01	0.00	142.44	-2.51	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<0.3	1.2	22

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2004
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPPH-G 8260B	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued													
11/09/04	150.45	7.91	0.00	142.54	0.10	ND<50	--	ND<50	ND<50	ND<50	ND<50	--	36
MW-7													
12/14/00	149.62	12.05	0.00	137.57	--	ND	--	ND	ND	ND	ND	10	9
03/07/01	149.62	9.30	0.00	140.32	2.75	ND	--	ND	ND	ND	ND	6.35	12
06/05/01	149.62	11.78	0.00	137.84	-2.48	ND	--	ND	ND	ND	ND	9.5	6.7
09/11/01	149.62	13.90	0.00	135.72	-2.12	ND<50	--	ND<50	ND<50	ND<50	ND<50	7.8	10
12/11/01	149.62	9.56	0.00	140.06	4.34	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<2.5	9.8
03/12/02	149.62	7.24	0.00	142.38	2.32	ND<50	--	ND<50	ND<50	ND<50	ND<50	5.2	4.9
06/17/02	149.62	10.30	0.00	139.32	-3.06	ND<50	--	ND<50	ND<50	ND<50	ND<50	6.1	4.3
09/10/02	149.62	12.89	0.00	136.73	-2.59	ND<50	--	ND<50	ND<50	ND<50	ND<50	5.6	5.1
12/10/02	149.62	--	--	--	--	--	--	--	--	--	--	--	
03/11/03	149.62	--	--	--	--	--	--	--	--	--	--	--	
06/10/03	149.62	8.27	0.00	141.35	--	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<2.0	ND<2.0
09/10/03	149.62	11.85	0.00	137.77	-3.58	--	ND<50	ND<50	ND<50	ND<50	ND<1.0	--	2.1
12/10/03	149.62	9.94	0.00	139.68	1.91	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	2.6
03/17/04	149.62	8.33	0.00	141.29	1.61	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<5.0	ND<2.0
06/02/04	149.62	10.14	0.00	139.48	-1.81	ND<50	--	ND<50	ND<50	ND<50	ND<5.0	ND<5.0	1.8
08/03/04	149.62	12.53	0.00	137.09	-2.39	ND<50	--	ND<50	ND<3	ND<3	ND<0.6	ND<1	ND<0.5
11/09/04	149.62	11.05	0.00	138.57	1.48	ND<50	--	ND<50	ND<50	ND<50	ND<50	--	1.8
MW-8													
12/14/00	150.49	12.83	0.00	137.66	--	ND	--	ND	ND	ND	ND	ND	ND
03/07/01	150.49	9.88	0.00	140.61	2.95	ND	--	ND	ND	ND	ND	ND	ND
06/05/01	150.49	12.57	0.00	137.92	-2.69	ND	--	ND	ND	ND	ND	ND	ND
09/11/01	150.49	14.61	0.00	135.88	-2.04	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<2.5	ND<2.0

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2004
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-8 continued													
12/11/01	150.49	9.80	0.00	140.69	4.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
03/12/02	150.49	7.34	0.00	143.15	2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	SAMPLED SEMI-ANNUALLY
06/17/02	150.49	11.15	0.00	139.34	-3.81	--	--	--	--	--	--	--	SAMPLED SEMI-ANNUALLY
09/10/02	150.49	13.75	0.00	136.74	-2.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.2	SAMPLED SEMI-ANNUALLY
12/10/02	150.49	14.93	0.00	135.56	-1.18	--	--	--	--	--	--	--	SAMPLED SEMI-ANNUALLY
03/11/03	150.49	7.96	0.00	142.53	6.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	MONITORED/SAMPLED SEMI-ANNUALLY
06/10/03	150.49	--	--	--	--	--	--	--	--	--	--	--	Monitored Only
09/10/03	150.49	12.70	0.00	137.79	--	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/09/03	150.49	8.56	0.00	141.93	4.14	--	--	--	--	--	--	--	
03/17/04	150.49	9.23	0.00	141.26	-0.67	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<5.0	4.7	
06/02/04	150.49	12.02	0.00	138.47	-2.79	--	--	--	--	--	--	--	Monitored Only
08/03/04	150.49	14.65	0.00	135.84	-2.63	ND<50	--	ND<0.3	ND<0.3	ND<0.6	ND<1	0.62	
11/09/04	150.49	14.13	0.00	136.36	0.52	--	--	--	--	--	--	--	Sampled semi-annually
MW-9													
12/14/00	149.97	11.60	0.00	138.37	--	ND	--	ND	ND	ND	ND	ND	3.1
03/07/01	149.97	8.71	0.00	141.26	2.89	ND	--	ND	ND	ND	ND	ND	4.4
06/05/01	149.97	11.32	0.00	138.65	-2.61	ND	--	ND	ND	ND	ND	ND	7.9
09/11/01	149.97	13.29	0.00	136.68	-1.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.0	10
12/11/01	149.97	9.10	0.00	140.87	4.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.1	6.6
03/12/02	149.97	6.35	0.00	143.62	2.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.7
06/17/02	149.97	9.75	0.00	140.22	-3.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.1
09/10/02	149.97	12.40	0.00	137.57	-2.65	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.2

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2004
Former Circle K Store 01106

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G	TPPH 8260B	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE 8021B	MTBE 8260B	Comments
(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-9 continued														
12/10/02	149.97	13.63	0.00	136.34	-1.23	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/11/03	149.97	6.75	0.00	143.22	6.88	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	149.97	7.93	0.00	142.04	-1.18	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/10/03	149.97	11.35	0.00	138.62	-3.42	--	ND>50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.5	
12/09/03	149.97	9.15	0.00	140.82	2.20	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/17/04	149.97	6.90	0.00	143.07	2.25	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	149.97	9.60	0.00	140.37	-2.70	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.77	
08/03/04	149.97	7.10	0.00	142.87	2.50	ND>50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
11/09/04	149.97	11.85	0.00	138.12	-4.75	ND>50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.96	

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store #1106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME	TBA	DIPE	ETBE	Methanol	Calcium	TPH-Crude	Fe+2
	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/ml)	(µg/ml)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(mg/l)
MW-1															
02/16/00	-	ND	-	-	-	-	-	-	32	ND	ND	ND	-	-	-
06/29/00	-	ND	-	-	-	-	-	39	ND	ND	ND	-	-	-	-
09/18/00	-	ND	-	-	-	-	-	14	ND	ND	ND	-	-	-	-
12/14/00	-	ND	-	-	-	-	-	9.3	ND	ND	ND	-	-	-	-
03/07/01	-	ND	-	-	-	-	-	11	ND	ND	ND	-	-	-	-
06/05/01	-	ND	-	-	-	-	-	ND	ND	ND	ND	-	-	-	-
09/11/01	-	ND>2.0	-	-	-	-	-	9.2	ND>20	ND>2.0	ND>2.0	ND<0.500	-	-	-
12/11/01	-	ND>2.0	-	-	-	-	-	7.6	ND>20	ND>2.0	ND>2.0	ND<0.500	-	-	-
03/12/02	-	ND>2.0	-	-	-	-	-	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<0.100	-	-	-
06/17/02	-	ND>2.0	-	-	-	-	-	ND>2.0	ND>20	ND>2.0	ND>2.0	ND<0.100	-	-	-
09/10/02	-	ND<0.50	-	-	-	-	-	ND<0.50	ND<5.0	ND<5.0	ND<5.0	ND<0.500	-	-	-
12/10/02	-	ND>2.0	-	-	-	-	-	ND>2.0	ND<100	ND>2.0	ND>2.0	0.120	-	-	-
03/11/03	-	ND>2.0	-	-	-	-	-	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<0.500	-	-	-
06/10/03	-	ND>2.0	-	-	-	-	-	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<0.500	-	-	-
09/10/03	-	ND>2.0	-	0.009	52	0.28	-	24	ND>2.0	ND>2.0	ND>2.0	ND<0.01	-	-	-
12/09/03	ND>2.0	ND>2.0	34	9.3	--	--	-	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<10	-	-	-
03/17/04	ND>2.0	ND>2.0	31	10	--	--	-	35	ND>2.0	ND>2.0	ND>2.0	ND<0.50	-	-	ND<0.20
06/02/04	ND<0.50	ND<0.50	32	12	--	--	-	49	ND<0.50	ND<5.0	ND<1.0	ND<0.50	-	-	ND<0.20
08/03/04	ND>0.5	ND>0.5	29.9	7.9	54000	--	-	ND<1	ND<12	ND<1	ND<1	--	-	-	1.7
11/09/04	-	-	28	--	-	-	-	19	--	--	--	-	-	-	ND<0.010
MW-2															
02/16/00	-	ND	-	-	-	-	-	-	5200	ND	ND	ND	-	-	-
06/29/00	-	ND	-	-	-	-	-	1300	ND	ND	ND	-	-	-	-
09/18/00	-	ND	-	-	-	-	-	770	ND	ND	ND	-	-	-	-
12/14/00	-	ND	-	-	-	-	-	850	260	ND	ND	ND	-	-	-
03/07/01	-	ND	-	-	-	-	-	2400	ND	ND	ND	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME	TBA	DPE	ETBE	Methanol	Calcium	TPH-Crude	Fe+2
	($\mu\text{g/l}$)	($\mu\text{g/l}$)	(mg/l)	(mg/l)	($\mu\text{g/l}$)	($\mu\text{g/ml}$)	($\mu\text{g/ml}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)
MW-2 continued															
06/05/01	--	ND	--	--	--	--	--	--	2100	ND	ND	ND	ND	--	--
09/11/01	--	ND<20	--	--	--	--	--	500	ND<200	ND<20	ND<20	ND<0.500	--	--	--
12/11/01	--	ND<40	--	--	--	--	--	1300	ND<400	ND<40	ND<40	ND<0.500	--	--	--
03/12/02	--	ND<200	--	--	--	--	--	ND>200	ND<1000	ND<200	ND<200	ND<0.100	--	--	--
06/17/02	--	ND<20	--	--	--	--	--	490	ND<200	ND<20	ND<20	0.31	--	--	--
09/10/02	--	ND<50	--	--	--	--	--	320	ND<500	ND<50	ND<50	ND<0.500	--	--	--
12/10/02	--	ND<2.0	--	--	--	--	--	ND>2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	ND>2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	110	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	--	ND<40	--	0.0059	59	ND<0.2	28	420	ND<2000	ND<40	ND<40	ND<0.01	--	--	--
12/10/03	ND<20	ND<20	9.9	8.5	--	--	--	370	ND<1000	ND<20	ND<20	88.2	--	--	--
03/17/04	ND<2.0	ND<2.0	25	16	--	--	38	32	ND<100	ND<2.0	ND<2.0	ND<0.50	--	--	ND<0.20
06/02/04	ND<2.5	ND<2.5	14	9.6	--	--	46	61	32	ND<5.0	ND<2.5	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	8.56	7.7	87000	--	--	18	36	ND<1	ND<1	--	--	1.7	--
11/09/04	--	--	45	--	--	--	24	--	--	--	--	--	--	--	ND<0.010
MW-3															
02/16/00	--	ND	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--
06/29/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/18/00	--	ND	--	--	--	--	--	6.2	ND	ND	ND	ND	--	--	--
12/14/00	--	ND	--	--	--	--	--	15	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	5.4	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	2.8	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	8.6	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	23	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	3.6	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	6.1	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME	TBA	DIPE	ETBEE	Methanol	Calcium	TPH-Crude	Fe+2
(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/ml)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(mg/l)
MW-3 continued															
09/10/02	--	ND<0.50	--	--	--	--	--	--	13	ND<5.0	ND<0.50	ND<0.500	--	--	--
12/10/02	--	ND>2.0	--	--	--	--	--	ND>2.0	ND<100	ND<2.0	ND>2.0	0.130	--	--	--
03/11/03	--	ND>2.0	--	--	--	--	--	ND>2.0	ND<100	ND<2.0	ND>2.0	ND<0.500	--	--	--
06/10/03	--	ND>2.0	--	--	--	--	--	ND>2.0	ND<100	ND<2.0	ND>2.0	ND<0.500	--	--	--
09/10/03	--	ND>2.0	--	0.0079	26	5.4	26	2.3	ND<100	ND<2.0	ND>2.0	ND<0.01	--	--	--
12/09/03	ND<2.0	ND>2.0	47	7.1	--	--	--	15	ND<100	ND<2.0	ND>2.0	ND<10	--	--	ND<0.20
03/17/04	ND<2.0	ND>2.0	68	20	--	--	87	ND>2.0	ND<100	ND<2.0	ND>2.0	ND<0.50	--	--	ND<0.20
06/02/04	ND<0.50	ND<0.50	47	8.4	--	--	88	1.4	ND<5.0	ND<1.0	ND<0.50	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	37.7	5.2	43000	--	--	1.8	ND<12	ND<1	ND<1	--	--	0.34	--
11/09/04	--	--	3.8	--	--	--	26	--	--	--	--	--	--	--	ND<0.010
MW-4															
02/16/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/29/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/18/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
12/14/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	--	ND>2.0	--	--	--	--	--	3.2	ND>20	ND>2.0	ND>2.0	ND<500	--	--	--
12/11/01	--	ND>2.0	--	--	--	--	--	ND>2.0	ND>20	ND>2.0	ND>2.0	ND<500	--	--	--
03/12/02	--	ND>2.0	--	--	--	--	--	2.0	ND<100	ND>2.0	ND>2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	0.72	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
03/11/03	--	ND>2.0	--	--	--	--	--	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<500	--	--	--
09/10/03	--	ND>2.0	--	0.005	36	9.7	28	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<0.01	--	--	--
03/17/04	ND<2.0	70	4.9	--	--	80	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<0.50	--	--	--	ND<0.20
08/03/04	ND<0.5	69.0	4.4	39000	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--	--	2.2

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME	TBA	DIPE	ETBE	Methanol	Calcium	TPH-Crude	Fe+2
	($\mu\text{g/l}$)	($\mu\text{g/l}$)	(mg/l)	(mg/l)	($\mu\text{g/l}$)	($\mu\text{g/ml}$)	($\mu\text{g/ml}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	(mg/l)
MW-5 continued															
12/14/00	--	ND	--	--	--	--	--	--	10	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	2.7	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	6.9	ND>20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	ND<2.0	ND>20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND>100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND>20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--	--
12/10/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND>100	ND<2.0	ND<2.0	ND<0.100	--	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND>100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND>100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	--	ND<2.0	--	0.0088	26	13	20	ND<2.0	ND>100	ND<2.0	ND<2.0	ND<0.01	--	--	--
12/09/03	ND<2.0	ND<2.0	30	7.3	--	--	--	ND<2.0	ND>100	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/17/04	ND<2.0	ND<2.0	19	8.6	--	--	--	39	ND<2.0	ND<100	ND<2.0	ND<10	--	--	ND<0.20
06/02/04	ND<0.50	ND<0.50	25	7.9	--	--	--	55	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	32.1	7.2	64000	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--	5
11/09/04	--	--	29	--	--	--	--	23	--	--	--	--	--	--	ND<0.010
MW-6															
12/14/00	--	ND	--	--	--	--	--	--	180	ND	ND	ND	ND	--	--
03/07/01	--	ND	--	--	--	--	--	93	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	120	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<10	--	--	--	--	--	100	ND<100	ND<10	ND<10	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	69	ND>20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	--	ND<20	--	--	--	--	--	27	ND<1000	ND<20	ND<20	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	21	ND>20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	30	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-inity	Iron	Carbon-Dioxide	TAME	TBA	DIPE	ETBE	Methanol	Calcium	TPH-Crude	Fc+2	
	($\mu\text{g/l}$)	($\mu\text{g/l}$)	(mg/l)	(mg/l)	($\mu\text{g/l}$)	($\mu\text{g/ml}$)	($\mu\text{g/ml}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	
MW-6 continued																
06/10/03	--	ND<2.0	--	--	0.024	100	0.41	--	25	8.4	ND<100	ND<2.0	ND<2.0	ND<0.50	--	
09/10/03	--	ND<2.0	--	ND<2.0	ND<1.0	31	--	--	6.3	ND<100	ND<2.0	ND<2.0	ND<0.01	--	--	
12/09/03	ND<2.0	ND<2.0	ND<2.0	ND<2.0	2.4	34	--	72	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.20	--	--	
03/17/04	ND<2.0	ND<2.0	ND<2.0	ND<2.0	14	34	--	140	2.1	ND<5.0	ND<1.0	ND<0.50	ND<0.50	--	--	
06/02/04	ND<0.50	ND<0.50	ND<0.50	ND<0.50	47.1	6.6	36000	--	2.9	ND<12	ND<1	ND<1	--	--	1.8	--
08/03/04	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	1.2	--	--	29	--	--	--	--	--	ND<0.010	--
11/09/04	--	--	--	--												
MW-7																
12/14/00	--	ND	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.50	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.50	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	--	ND<2.0	--	--	0.025	100	8.1	33	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	--	--
12/10/03	ND<2.0	ND<2.0	ND<2.0	ND<2.0	28	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	0.0346	--	1.9	--
03/17/04	ND<2.0	ND<2.0	ND<2.0	ND<2.0	24	--	--	110	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	--	2.0	--
06/02/04	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	--	--	100	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	--	ND<0.20	--
08/03/04	ND<0.5	ND<0.5	ND<0.5	ND<0.5	24.6	8.7	85000	--	--	ND<1	ND<12	ND<1	ND<1	--	2.1	--
11/09/04	--	--	ND<1.0	ND<1.0	270	--	--	21	--	--	--	--	--	--	ND<0.010	--
MW-8																
12/14/00	--	ND	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-inity	Iron	Carbon-Dioxide	TAME	TBA	DPE	ETBE	Methanol	Calcium	TPH-Crude	Fe+2
	($\mu\text{g/l}$)	($\mu\text{g/l}$)	(mg/l)	(mg/l)	($\mu\text{g/l}$)	($\mu\text{g/ml}$)	($\mu\text{g/ml}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)
MW-8 continued															
06/05/01	--	ND	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	--	ND>2.0	ND>20	ND>2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	--	ND>2.0	ND>20	ND>2.0	ND<0.500	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	--	ND>2.0	ND>100	ND>2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.500	--	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	--	ND>2.0	ND>100	ND>2.0	ND<0.500	--	--	--
09/10/03	--	ND<2.0	--	--	0.017	57	2.3	23	ND>2.0	ND>100	ND>2.0	ND<0.01	--	--	--
03/17/04	ND<2.0	ND<2.0	6.1	16	--	--	49	ND>2.0	ND>100	ND>2.0	ND>2.0	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	2.7	22	31000	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--	23
MW-9															
12/14/00	--	ND	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	--	ND>2.0	ND>20	ND>2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	--	ND>2.0	ND>20	ND>2.0	ND<0.500	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	--	ND>2.0	ND>100	ND>2.0	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	--	3.1	ND>20	ND>2.0	ND>2.0	0.16	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	--	ND>5.0	ND>5.0	ND>5.0	ND<0.500	--	--	--
12/10/02	--	ND<2.0	--	--	--	--	--	--	ND>2.0	ND>100	ND>2.0	ND>2.0	ND<0.100	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	--	ND>2.0	ND>100	ND>2.0	ND>2.0	ND<0.500	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	--	ND>2.0	ND>100	ND>2.0	ND>2.0	ND<0.500	--	--
09/10/03	--	ND<2.0	--	--	0.025	78	9.5	26	ND>2.0	ND>100	ND>2.0	ND>2.0	ND<0.01	--	--
12/09/03	ND<2.0	ND<2.0	10	26	--	--	--	--	ND>2.0	ND>100	ND>2.0	ND>2.0	ND<10	--	ND<0.20
03/17/04	ND<2.0	ND<2.0	18	25	--	--	--	--	79	ND>2.0	ND>100	ND>2.0	ND<0.50	--	ND<0.20
06/02/04	ND<0.50	ND<0.50	15	26	--	--	--	--	160	ND<0.50	ND>5.0	ND<1.0	ND<0.50	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	25.1	8.2	32000	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--	30

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-inity	Iron	Carbon-Dioxide	TAME	TBA	DIPE	ETBE	Methanol	Calcium	TPH-Crude	Fe+2
(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/ml)	(µg/ml)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)
MW-9 continued 11/09/04	--	--	8.3	--	--	--	24	--	--	--	--	--	--	--	ND<0.010

Table 3b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

	Date Sampled	Methane	COD	Mang	Sulfide	Carbonate	Hydroxide	Ethanol	BOD	Nitrate	B-Alkalinity	Total Alkalinity	1,2-DCE	D-Manganese
		($\mu\text{g}/\text{ml}$)	(mg/l)	($\mu\text{g}/\text{l}$)	($\mu\text{g}/\text{l}$)	($\mu\text{g}/\text{l}$)	(mg/l)	(mg/l)	($\mu\text{g}/\text{l}$)	($\mu\text{g}/\text{l}$)				
MW-1														
02/16/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/29/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/18/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/14/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/07/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/05/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/11/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/11/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/12/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/17/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/10/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/10/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/11/03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/10/03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/10/03	ND<0.010	ND<0.005	-	-	ND<0.001	-	-	-	-	-	-	-	-	-
12/09/03	-	ND<5.0	0.72	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<500	ND<500	ND<2	44	-	-	-
03/17/04	ND<0.010	-	0.75	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<500	ND<500	ND<6000	-	36	36	-
06/02/04	ND<0.010	ND<5	ND<0.0050	ND<1	ND<5.0	ND<5.0	ND<5.0	ND<500	ND<500	ND<6000	-	25	25	-
08/03/04	ND<0.001	32	ND<0.01	ND<5	-	-	-	ND<800	ND<800	-	-	15	15	-
11/09/04	ND<0.010	5.7	1.3	-	ND<5.0	ND<5.0	ND<5.0	-	-	-	-	19	19	-
MW-2														
02/16/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/29/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/18/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/14/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/07/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane	COD	Mang	Sulfide	Carbonate	Hydroxide	Ethanol	BOD	Nitrate	B-Alkalinity	Total Alkalinity	1,2-DCE	D-Manganese	
	($\mu\text{g}/\text{ml}$)	(mg/l)	($\mu\text{g}/\text{l}$)	($\mu\text{g}/\text{l}$)	(mg/l)	(mg/l)	($\mu\text{g}/\text{l}$)	($\mu\text{g}/\text{l}$)						
MW-2 continued														
06/05/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/11/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/11/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/12/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/17/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/10/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/10/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/11/03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/10/03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/10/03	ND<0.010	0.65	-	-	ND<0.001	-	-	-	-	-	-	-	-	-
12/10/03	-	19	0.96	ND<1.0	-	-	-	ND<5000	ND<6000	6	6.9	-	-	-
03/17/04	ND<0.010	-	0.46	ND<1.0	ND>5.0	ND>5.0	ND>5.0	-	-	27	27	-	-	-
06/02/04	ND<0.010	ND<5	ND<0.0050	ND<1	ND<5.0	ND<5.0	ND<250	ND<6000	-	34	34	-	-	-
08/03/04	ND<0.001	ND>20	ND<0.01	ND<5	-	-	ND<800	-	-	-	-	-	-	-
11/09/04	ND<0.010	15	1.5	-	ND<5.0	ND<5.0	-	-	-	81	81	-	-	-
MW-3														
02/16/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/29/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/18/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/14/00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/07/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/05/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/11/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/11/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/12/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/17/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane	COD	Mang	Sulfide	Carbonate	Hydroxide	Ethanol	BOD	Nitrate	B-Alkalinity	Total Alkalinity	1,2-DCE	D-Manganese
	($\mu\text{g}/\text{ml}$)	(mg/l)	($\mu\text{g}/\text{l}$)	($\mu\text{g}/\text{l}$)	($\mu\text{g}/\text{l}$)	(mg/l)	(mg/l)	($\mu\text{g}/\text{l}$)	($\mu\text{g}/\text{l}$)				
MW-3 continued													
09/10/02	--	--	--	--	--	--	--	ND>50000	--	--	--	ND<0.50	--
12/10/02	--	--	--	--	--	--	--	ND>500000	--	--	--	ND>2.0	--
03/11/03	--	--	--	--	--	--	--	ND>500000	--	--	--	ND>2.0	--
06/10/03	--	--	--	--	--	--	--	ND>500000	--	--	--	ND>2.0	--
09/10/03	ND>0.010	0.05	--	ND>0.001	--	--	--	ND>500	ND>20	48	--	ND>2.0	0.076
12/09/03	--	13	0.20	ND<1.0	ND<5.0	ND<5.0	ND<500	ND>6000	--	26	26	--	--
03/17/04	ND>0.010	--	0.10	ND<1.0	ND<5.0	ND<0.005	ND>500	--	--	10	10	--	--
06/02/04	ND>0.010	ND>5	0.0068	ND<1	ND<5.0	ND<5.0	ND>50	ND<6000	--	19	19	--	--
08/03/04	ND<0.001	50	ND<0.01	ND<0.5	--	--	ND>800	--	--	--	--	--	--
11/09/04	ND>0.010	ND>5.0	0.27	--	ND>5.0	ND>5.0	--	--	--	19	19	--	--
MW-4													
02/16/00	--	--	--	--	--	--	--	ND	--	--	--	ND	--
06/29/00	--	--	--	--	--	--	--	ND	--	--	--	ND	--
09/18/00	--	--	--	--	--	--	--	ND	--	--	--	ND	--
12/14/00	--	--	--	--	--	--	--	ND	--	--	--	ND	--
03/07/01	--	--	--	--	--	--	--	ND	--	--	--	ND	--
06/05/01	--	--	--	--	--	--	--	ND	--	--	--	ND	--
09/11/01	--	--	--	--	--	--	--	ND>50000	--	--	--	ND>2.0	--
12/11/01	--	--	--	--	--	--	--	ND>50000	--	--	--	ND>2.0	--
03/12/02	--	--	--	--	--	--	--	ND>50000	--	--	--	ND>2.0	--
09/10/02	--	--	--	--	--	--	--	ND>50000	--	--	--	ND<0.50	--
03/11/03	--	--	--	--	--	--	--	--	ND>20	64	--	ND>2.0	0.13
09/10/03	ND>0.010	0.048	--	ND>0.001	--	--	--	ND>500	ND>20	64	--	ND>2.0	--
03/17/04	ND>0.010	--	0.14	ND<1.0	ND<5.0	ND<5.0	ND>500	--	--	30	30	--	--
08/03/04	ND<0.001	25	ND<0.01	ND>5	--	--	ND>800	--	--	--	--	--	--
MW-5													
01106													

Table 3b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane	COD	Mang	Sulfide	Carbonate	Hydroxide	Ethanol 8260B	BOD	Nitrate	B-Alkalinity	Total Alkalinity	1,2-DCE	D-Manganese
(µg/ml)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)
MW-5 continued													
12/14/00	--	--	--	--	--	--	ND	--	--	--	--	ND	--
03/07/01	--	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
12/11/01	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/17/02	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<0.50	--
12/10/02	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/11/03	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/10/03	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.029	--	ND<0.001	--	ND<5.0	ND<5.0	ND<500	ND<20	23	--	--	ND<2.0
12/09/03	--	ND<5.0	0.28	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<500	ND<6000	--	52	52	--
03/17/04	ND<0.010	--	0.22	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<500	--	--	15	15	--
06/02/04	ND<0.010	ND<5	ND<0.0050	ND<1	ND<1	ND<5.0	ND<5.0	ND<50	ND<6000	--	29	29	--
08/03/04	ND<0.001	36	ND<0.01	ND<5	--	--	ND<800	--	--	--	--	--	--
11/09/04	ND<0.010	ND<5.0	0.51	--	ND<5.0	ND<5.0	--	--	--	39	39	--	--
MW-6													
12/14/00	--	--	--	--	--	--	--	ND	--	--	--	ND	--
03/07/01	--	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	--	ND>2500000	--	--	--	--	ND<10	--
12/11/01	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	--	ND<5000000	--	--	--	--	ND<20	--
06/17/02	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	--	ND<50000	--	--	--	--	ND<0.50	--

Table 3b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane	COD	Mang	Sulfide	Carbonate	Hydroxide	Ethanol	BOD	Nitrate	B-Alkalinity	Total Alkalinity	1,2-DCE	D-Manganese
	(µg/ml)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)
MW-6 continued													
06/10/03	--	--	--	--	ND<0.001	--	--	ND<500	ND<6	2.5	--	--	ND<2.0
09/10/03	ND<0.010	0.015	--	--	ND<1.0	ND<5.0	ND<5.0	ND<500	ND<6000	--	83	83	--
12/09/03	--	8.2	1.2	--	ND<1.0	ND<5.0	ND<5.0	ND<500	--	--	96	96	--
03/17/04	ND<0.010	--	1.6	ND<1.0	ND<5.0	ND<5.0	ND<50	ND<500	ND<6000	--	73	73	--
06/02/04	ND<0.010	13	1.3	ND<1	ND<5.0	ND<5.0	ND<50	ND<500	ND<6000	--	--	--	--
08/03/04	ND<0.001	48	ND<0.01	ND<5	--	--	ND>800	--	--	--	--	--	--
11/09/04	ND<0.010	7.2	1.7	--	ND<5.0	ND<5.0	--	--	--	76	76	--	--
MW-7													
12/14/00	--	--	--	--	--	--	--	ND	--	--	--	--	ND
03/07/01	--	--	--	--	--	--	--	ND	--	--	--	--	ND
06/05/01	--	--	--	--	--	--	--	ND	--	--	--	--	ND
09/11/01	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0
12/11/01	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0
03/12/02	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0
06/17/02	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0
09/10/02	--	--	--	--	--	--	--	ND<50000	--	--	--	--	ND<0.50
06/10/03	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0
09/10/03	ND<0.010	0.029	--	ND<0.001	--	--	--	ND<500	ND<20	ND<1.0	--	--	ND<2.0
12/10/03	--	29	0.29	ND<1.0	--	--	--	ND<500	ND<6000	--	130	130	--
03/17/04	ND<0.010	--	0.30	ND<1.0	ND<5.0	ND<5.0	ND<50	ND<500	--	--	120	120	--
06/02/04	ND<0.010	ND<5	0.24	ND<1	ND<5.0	ND<5.0	ND<50	ND<500	ND<6000	--	73	73	--
08/03/04	ND<0.001	54	ND<0.01	ND<5	--	--	ND<800	--	--	--	--	--	--
11/09/04	ND<0.010	18	0.89	--	ND<5.0	ND<5.0	--	--	--	27	27	--	--
MW-8													
12/14/00	--	--	--	--	--	--	--	ND	--	--	--	--	ND
03/07/01	--	--	--	--	--	--	--	ND	--	--	--	--	ND

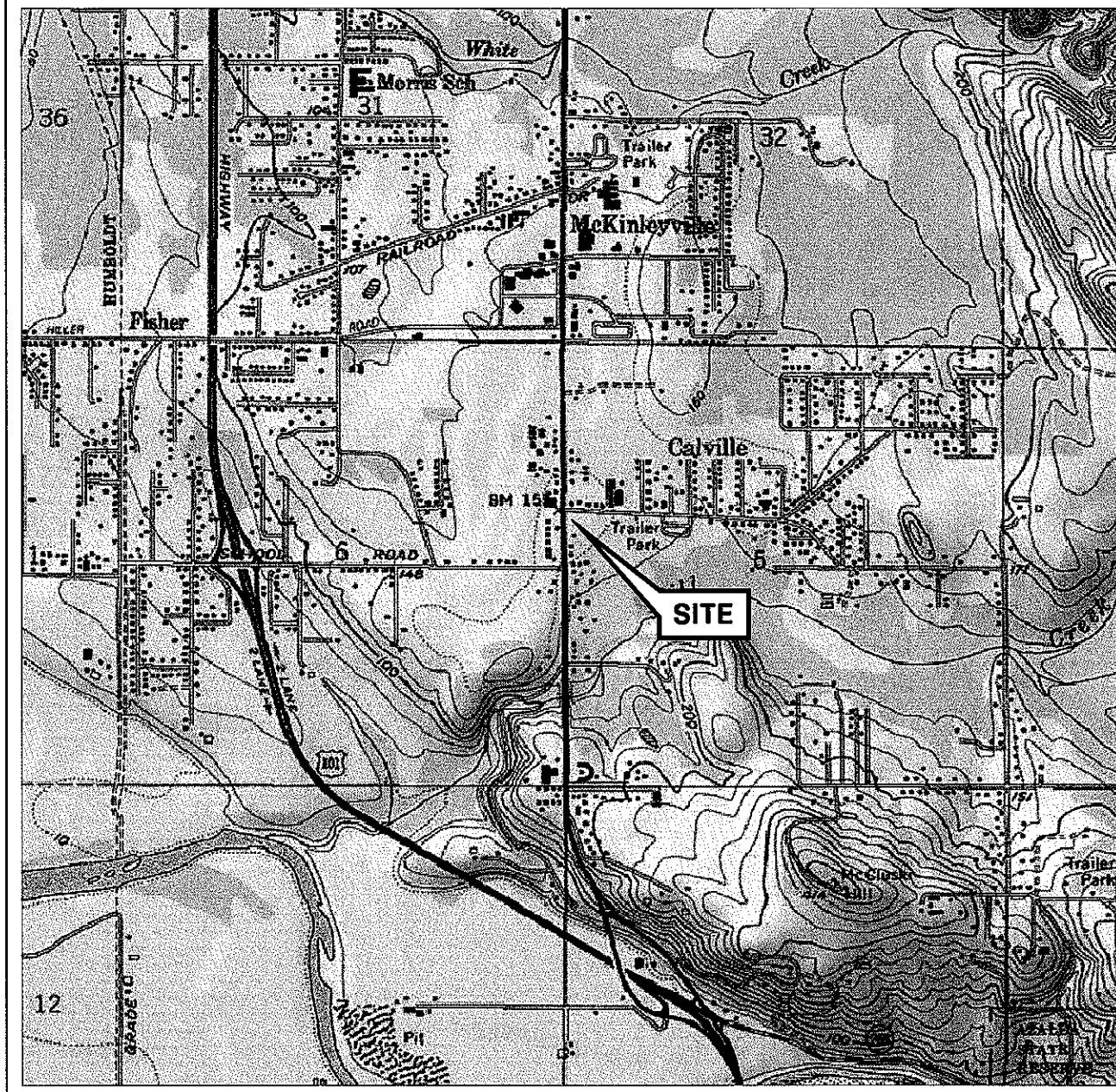
Table 3b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store #1106

Date Sampled	Methane	COD	Mang	Sulfide	Carbonate	Hydroxide	Ethanol	BOD	Nitrate	B-Alkalinity	Total Alkalinity	1,2-DCE	D-Manganese	
	($\mu\text{g}/\text{ml}$)	(mg/l)	($\mu\text{g}/\text{l}$)	($\mu\text{g}/\text{l}$)	(mg/l)	(mg/l)	($\mu\text{g}/\text{l}$)	($\mu\text{g}/\text{l}$)						
MW-8 continued														
06/05/01	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
12/11/01	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	--	--	ND<50000	--	--	--	--	ND<0.50	--
03/11/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.03	--	--	ND<0.001	--	--	--	ND<500	ND>20	5.9	--	ND<2.0	ND<0.0050
03/17/04	ND<0.010	--	0.22	ND<1.0	ND<5.0	ND<5.0	ND<500	--	--	50	50	--	--	--
08/03/04	ND<0.001	66	ND<0.01	ND<5	--	--	ND<800	--	--	--	--	--	--	--
MW-9														
12/14/00	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--
03/07/01	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
12/11/01	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/17/02	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	--	--	ND<50000	--	--	--	--	ND<0.50	--
12/10/02	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/11/03	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/10/03	--	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.021	--	ND<0.001	--	--	ND<500	ND<6	8.9	--	--	--	ND<2.0	0.34
12/09/03	--	--	1.6	--	ND<5.0	ND<5.0	ND<500	--	--	100	100	--	--	--
03/17/04	ND<0.010	--	0.57	ND<1.0	ND<5.0	ND<5.0	ND<500	--	--	55	55	--	--	--
06/02/04	ND<0.010	ND<5	0.073	ND<1	ND<5.0	ND<5.0	ND<50	ND<6000	--	78	78	--	--	--
08/03/04	ND<0.001	34	ND<0.01	ND<5	--	--	ND<800	--	--	--	--	--	--	--

Table 3b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane	COD	Mang	Sulfide	Carbonate	Hydroxide	Ethanol 8260B	BOD	Nitrate	B-Alkalinity	Total Alkalinity	1,2-DCE	D-Manganese
(µg/ml)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)
MW-9 continued 11/09/04	ND<0.010	7.6	1.3	--	ND<5.0	ND<5.0	--	--	--	--	79	79	--

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N



VICINITY MAP

SOURCE:

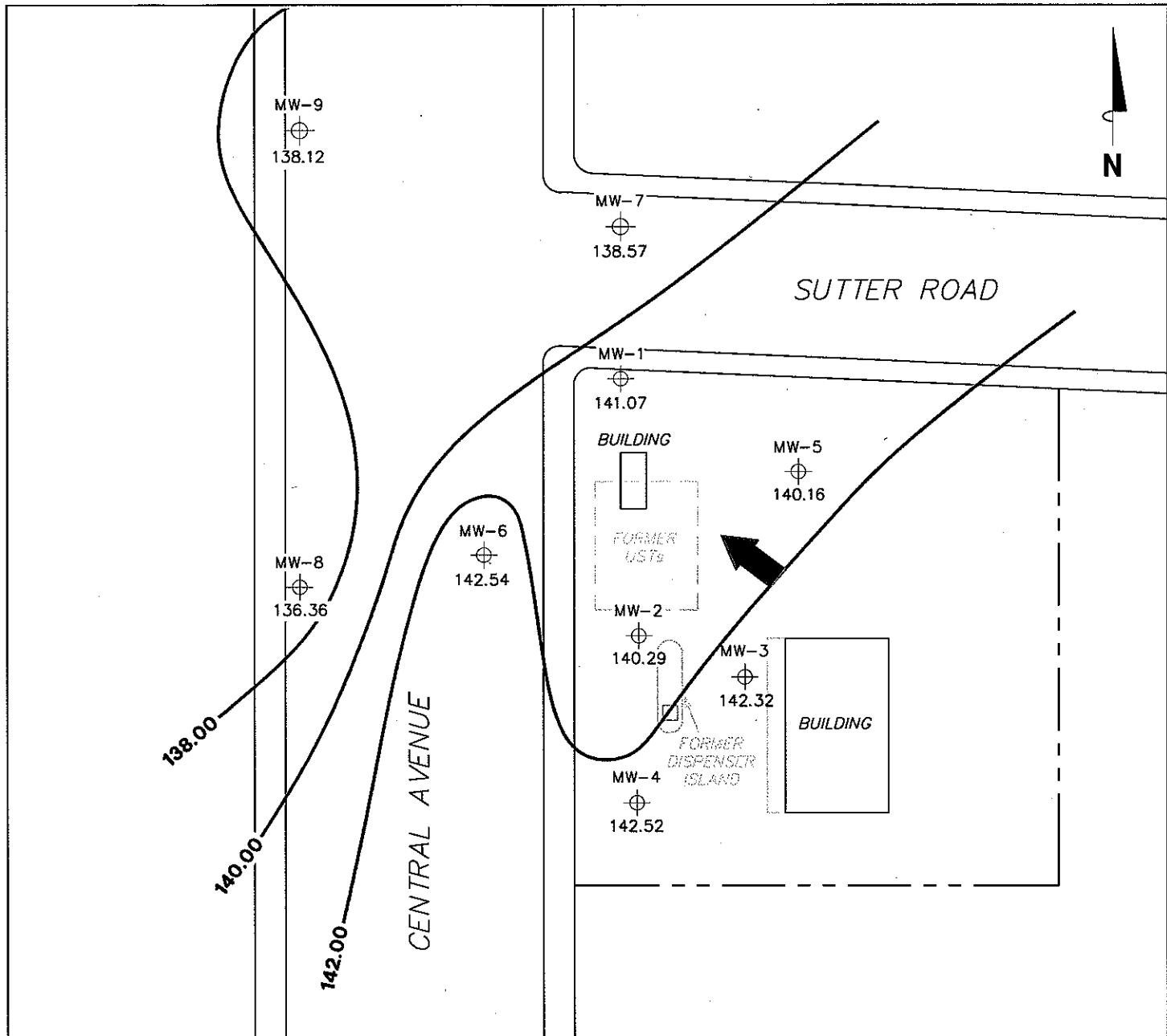
United States Geological Survey
7.5 Minute Topographic Maps:
Arcata North and Tyee City
Quadrangles

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

PS = 1:1

TRC

FIGURE 1



NOTES:

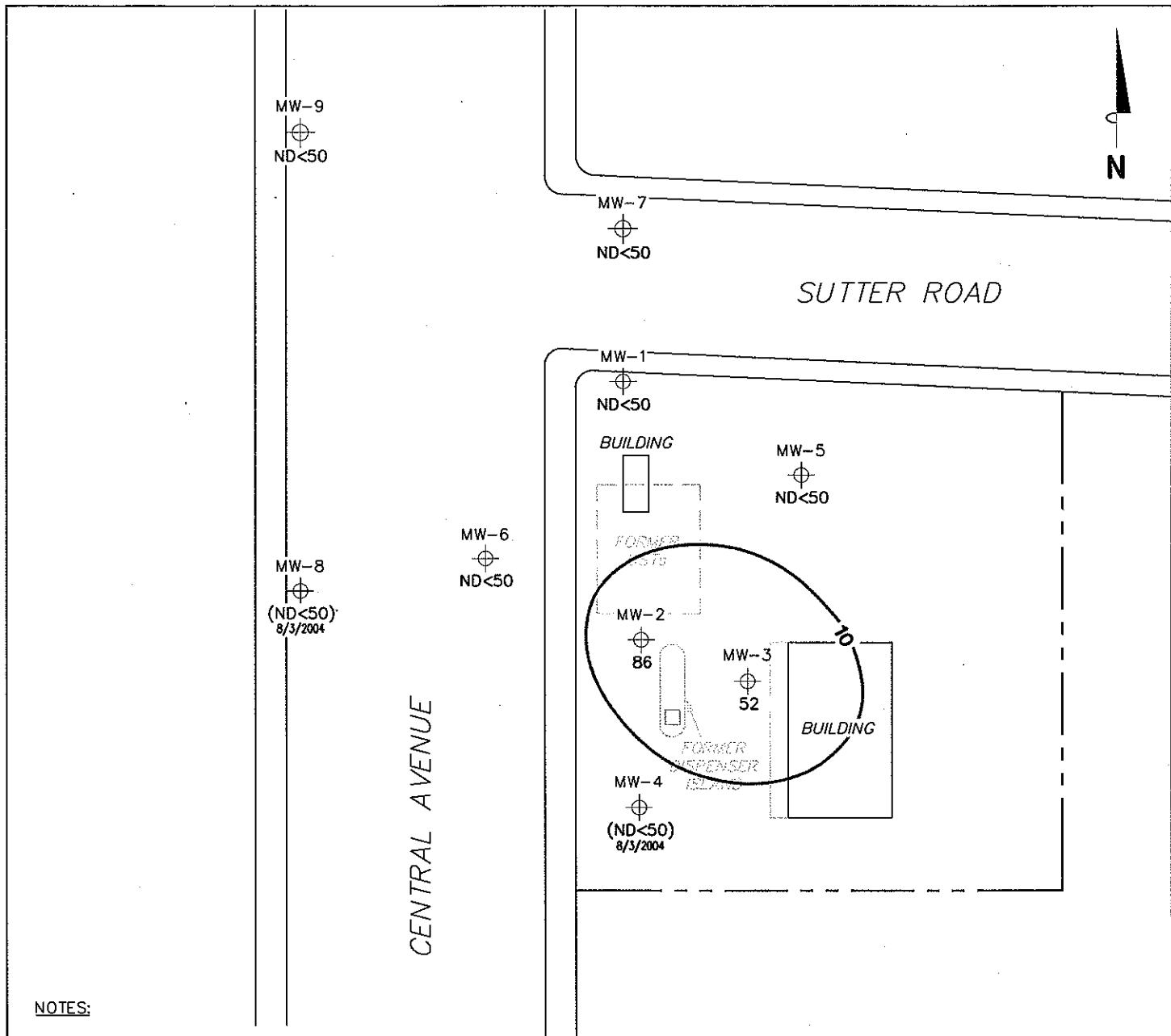
Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.

LEGEND

- MW-9 Monitoring Well with Groundwater Elevation (feet)
- 142.00 Groundwater Elevation Contour
- General Direction of Groundwater Flow

**GROUNDWATER ELEVATION
CONTOUR MAP
November 9, 2004**

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
TPH-G = total petroleum hydrocarbons as gasoline.
 $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.
() = representative of historical value. Results obtained using EPA Method 8015.

LEGEND

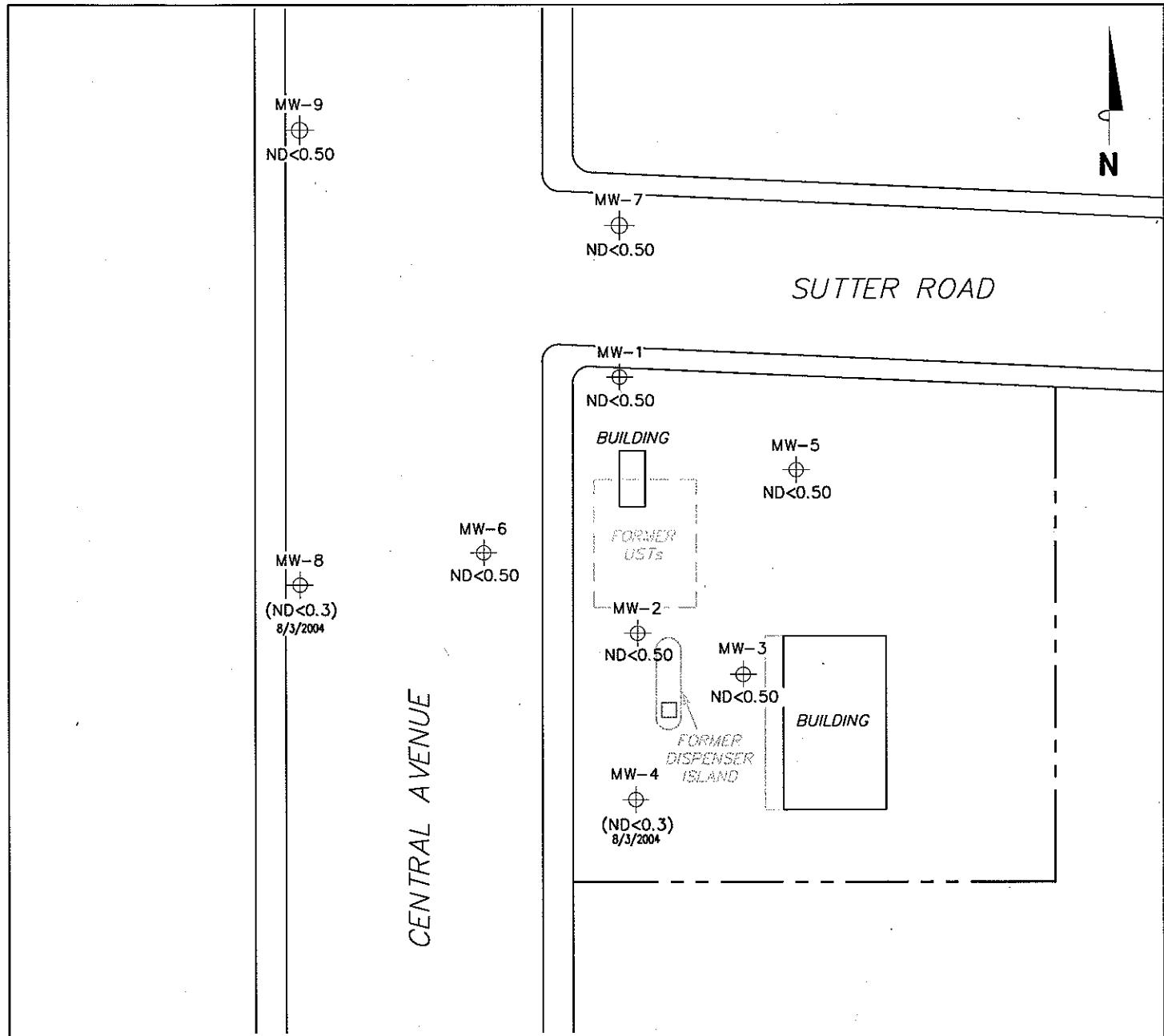
- MW-9 Monitoring Well with Dissolved-Phase TPH-G Concentration ($\mu\text{g/l}$)
- 10 — Dissolved-Phase TPH-G Contour ($\mu\text{g/l}$)

DISSOLVED-PHASE TPH-G CONCENTRATION MAP
November 9, 2004

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California



FIGURE 3



NOTES:

$\mu\text{g/l}$ = micrograms per liter; ND = not detected at limit indicated on official laboratory report.

UST = underground storage tank.

() = representative of historical value.

LEGEND

MW-9 Monitoring Well with Dissolved-Phase Benzene Concentration ($\mu\text{g/l}$)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
November 9, 2004

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

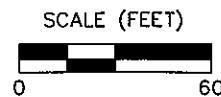
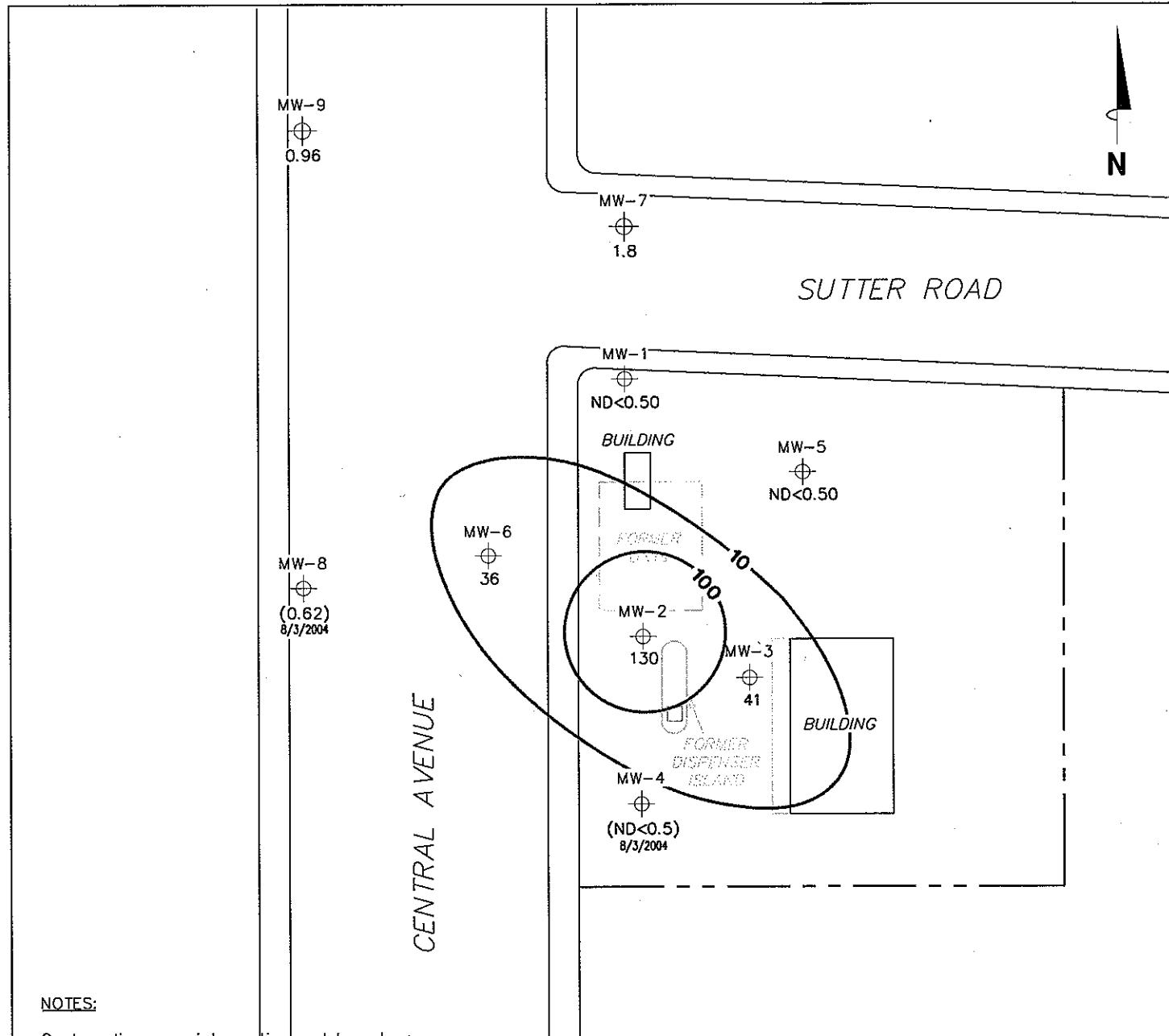


FIGURE 4



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. () = representative of historical value. Results obtained using EPA Method 8260B.

LEGEND

MW-9 - Monitoring Well with Dissolved-Phase MTBE Concentration ($\mu\text{g/l}$)

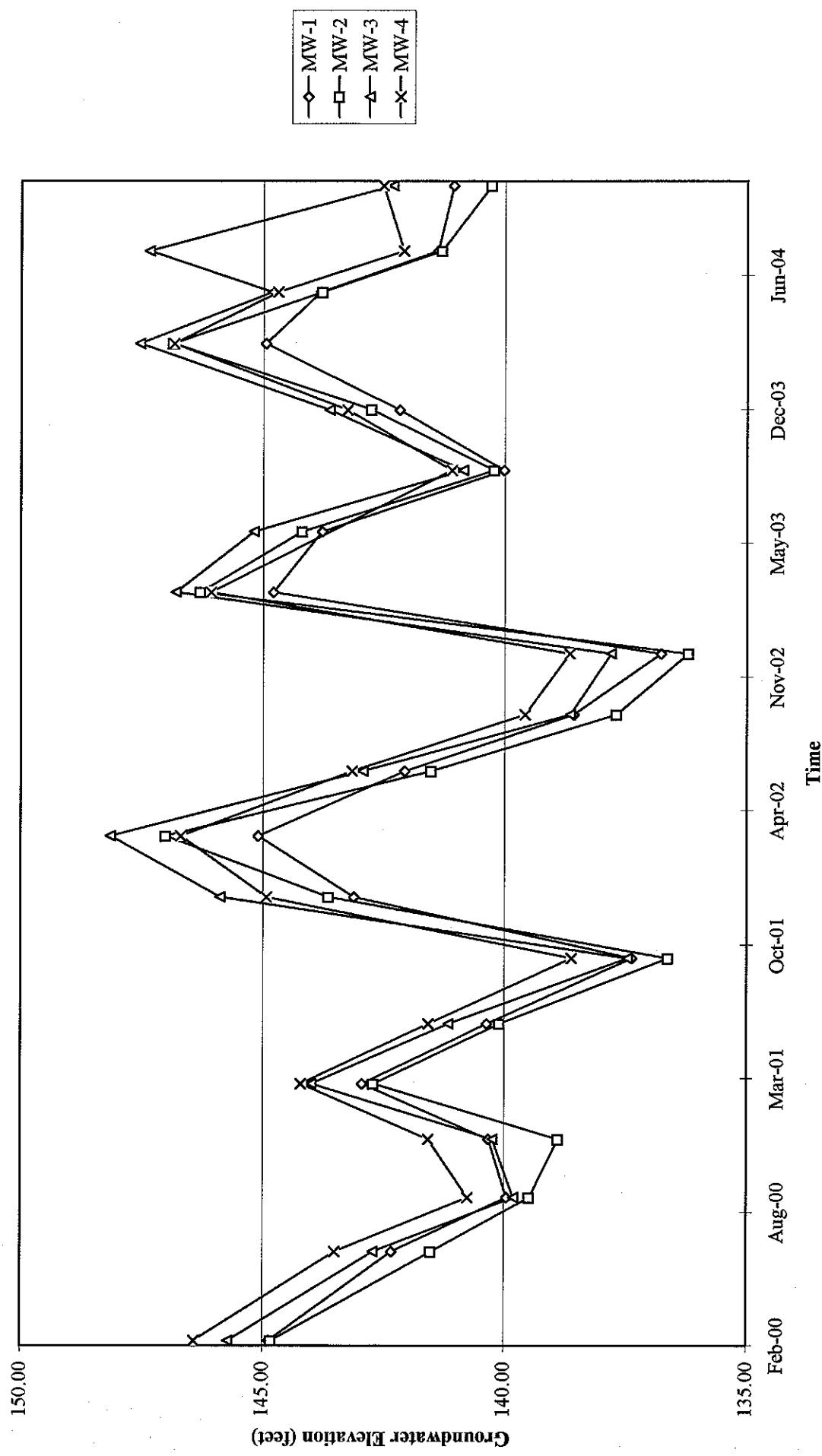
-100- Dissolved-Phase MTBE Contour ($\mu\text{g/l}$)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
November 9, 2004

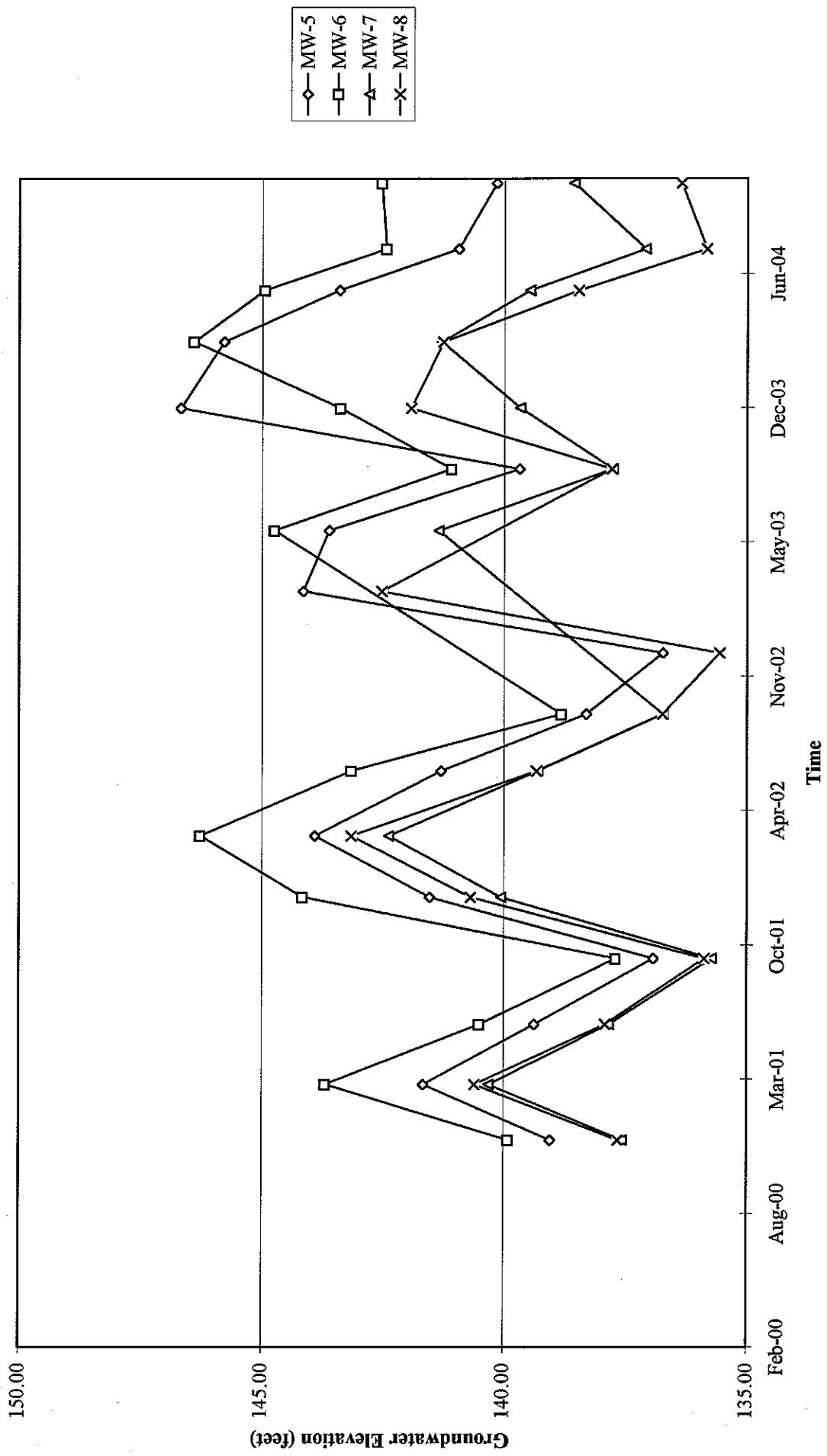
Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

GRAPHS

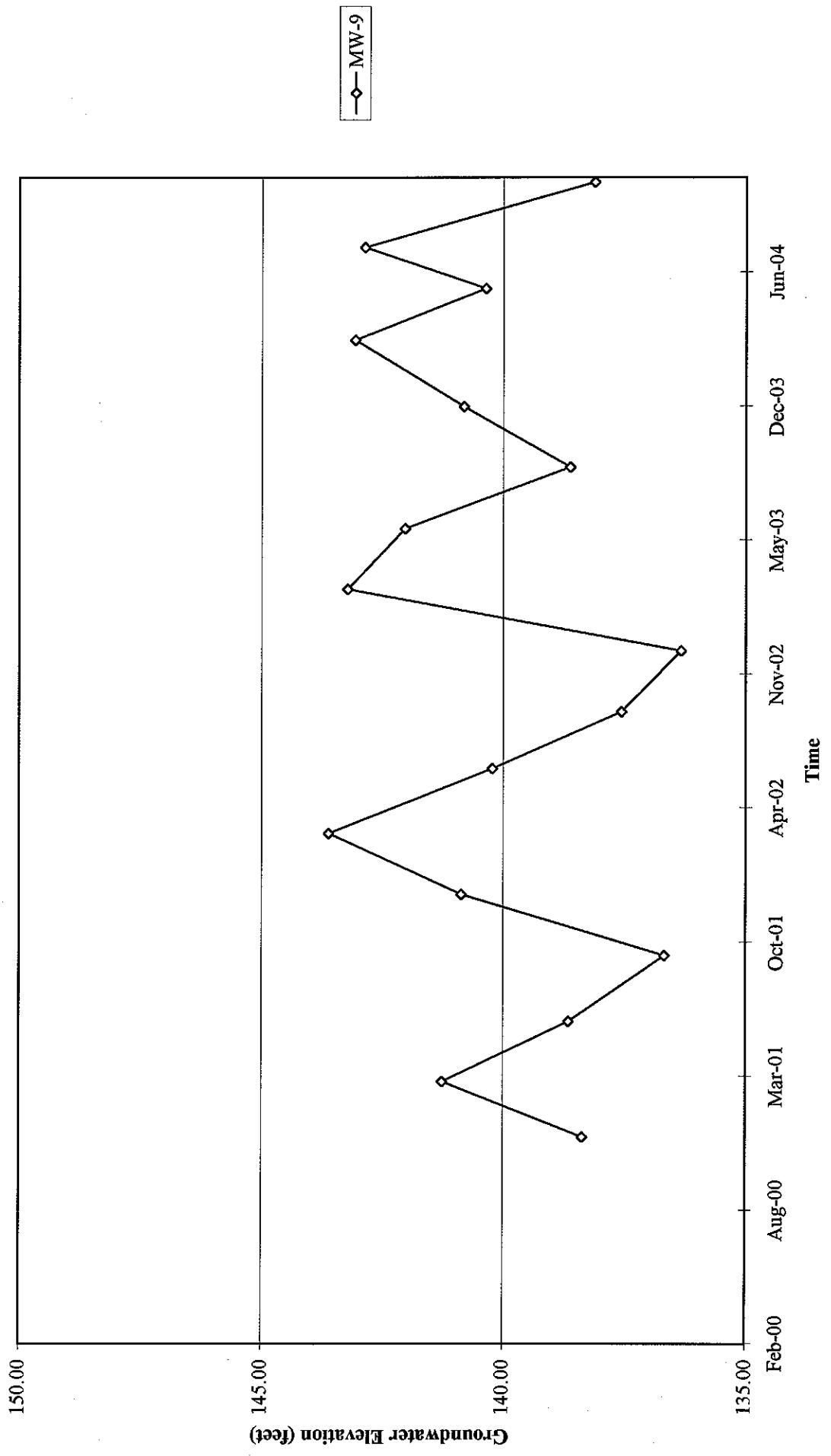
Groundwater Elevations vs. Time
Former Circle K Store 01106



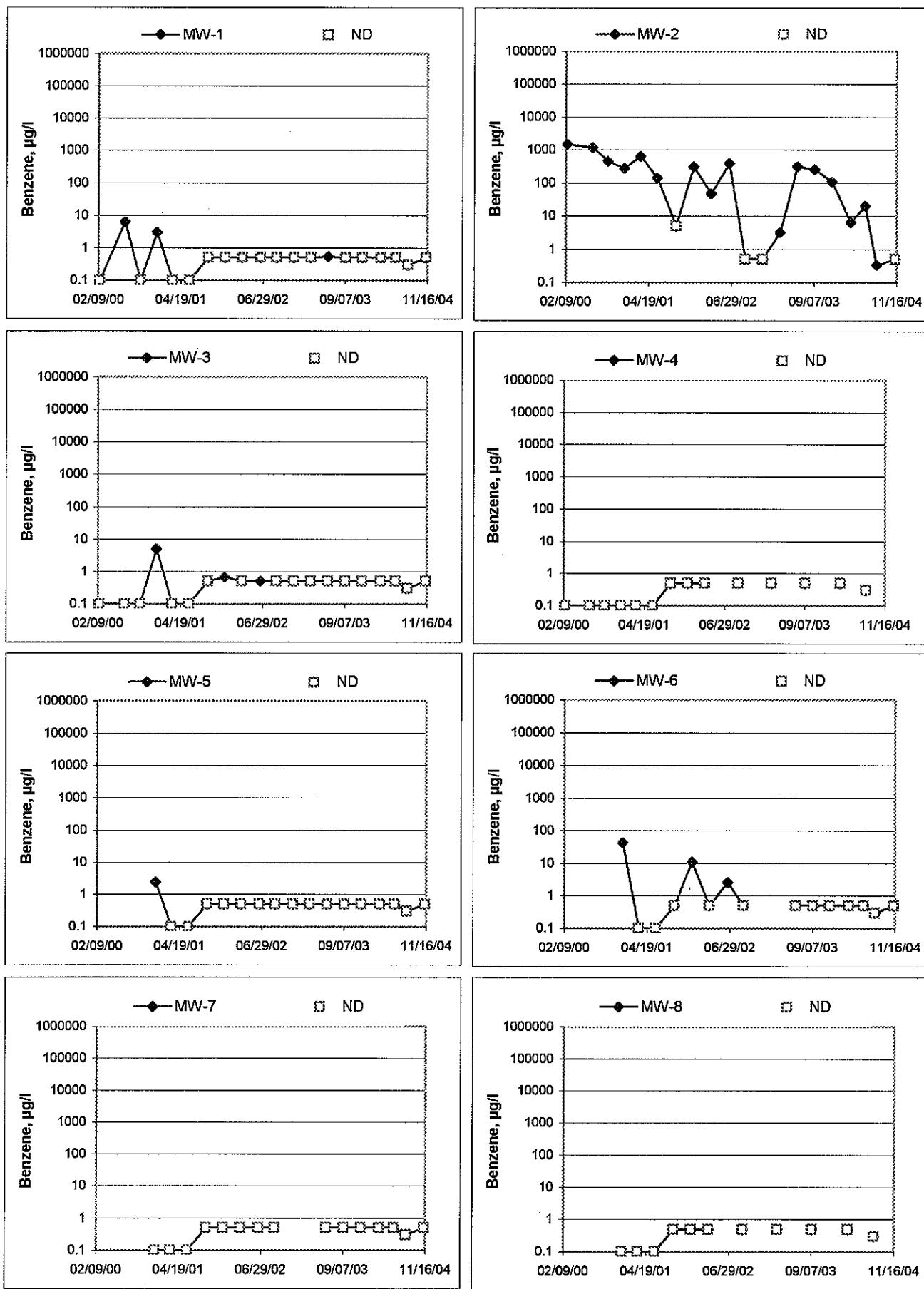
Groundwater Elevations vs. Time
Former Circle K Store 01106



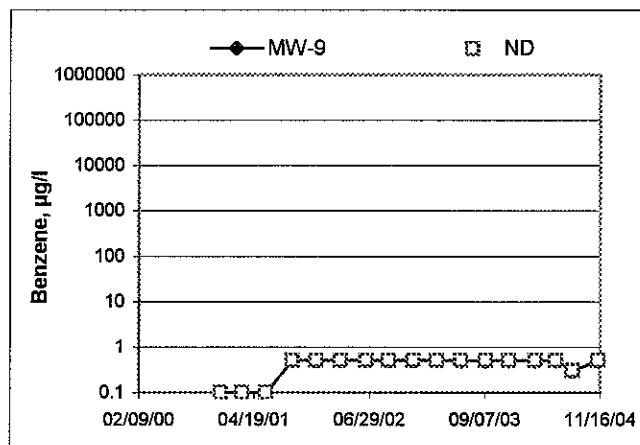
Groundwater Elevations vs. Time
Former Circle K Store 01106



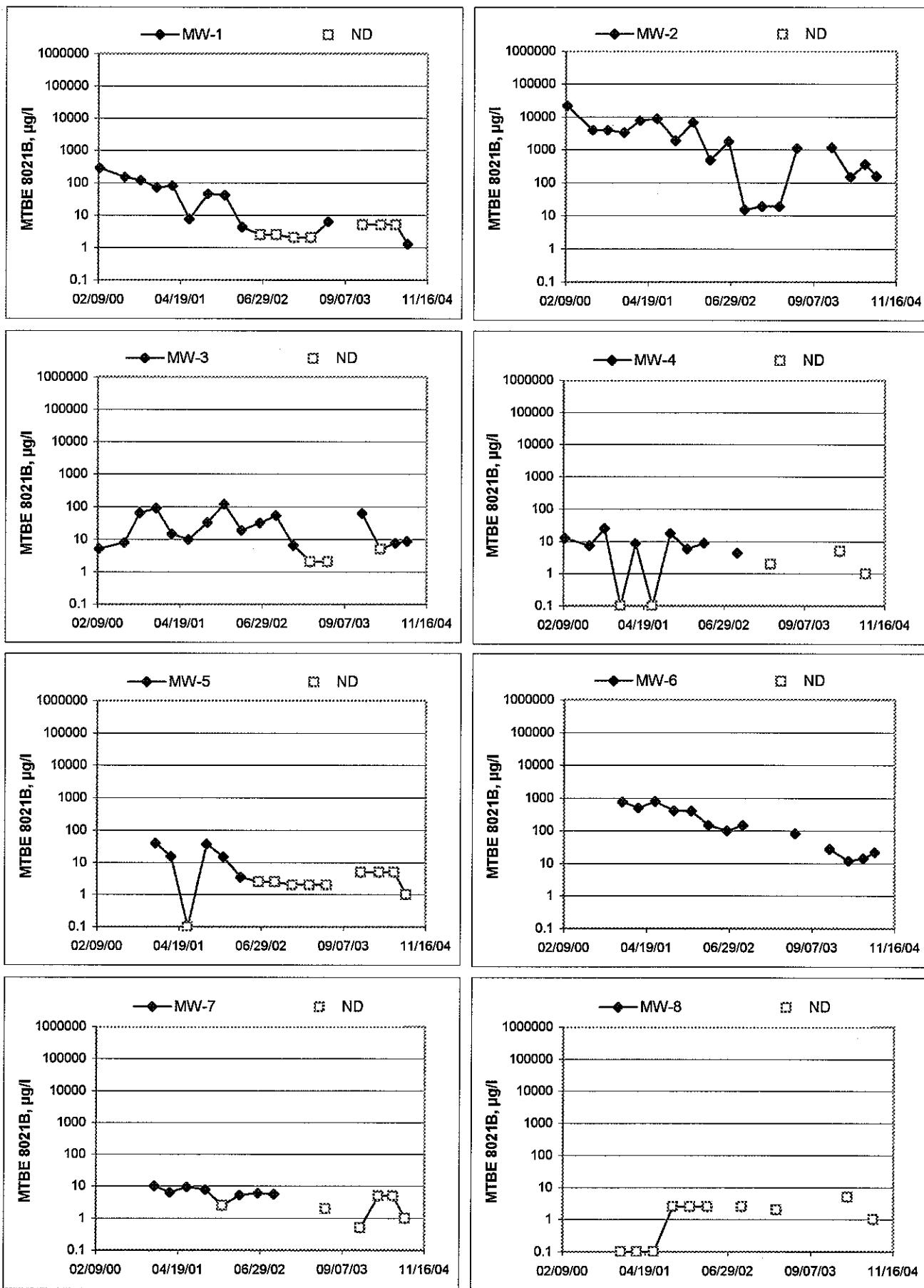
Benzene Concentrations vs Time
Former Circle K Store 01106



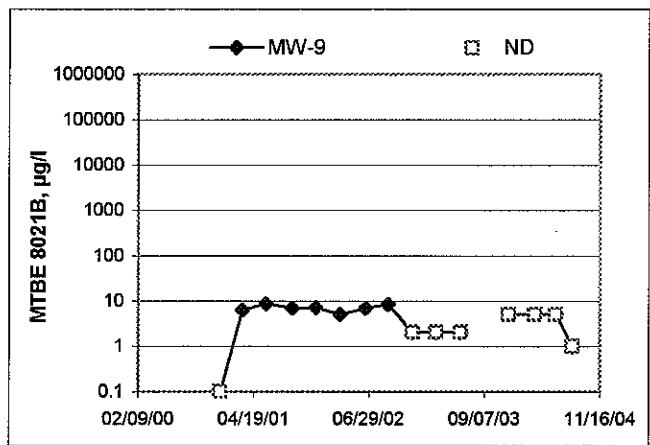
Benzene Concentrations vs Time
Former Circle K Store 01106



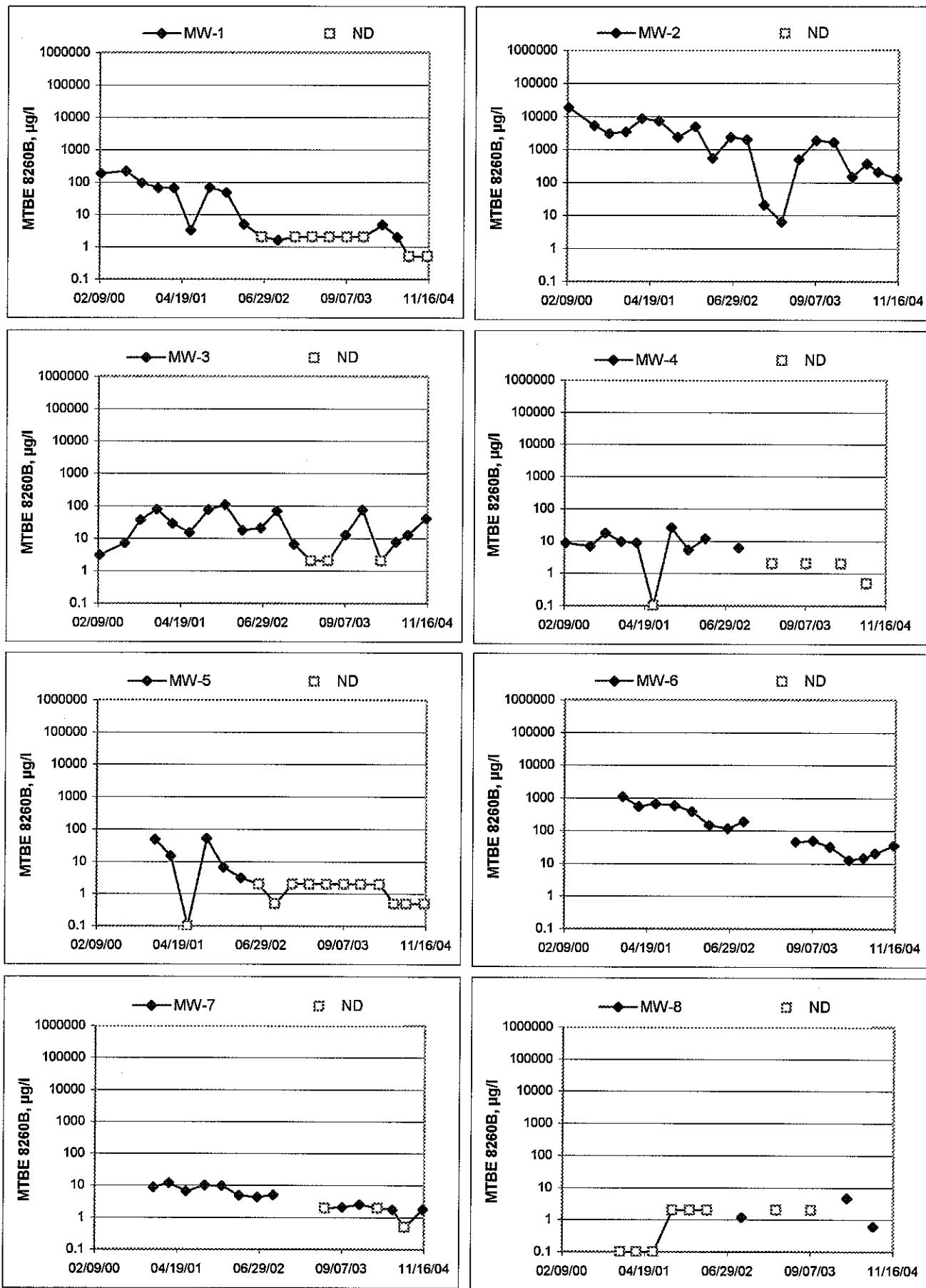
MTBE 8021B Concentrations vs Time
 Former Circle K Store 01106



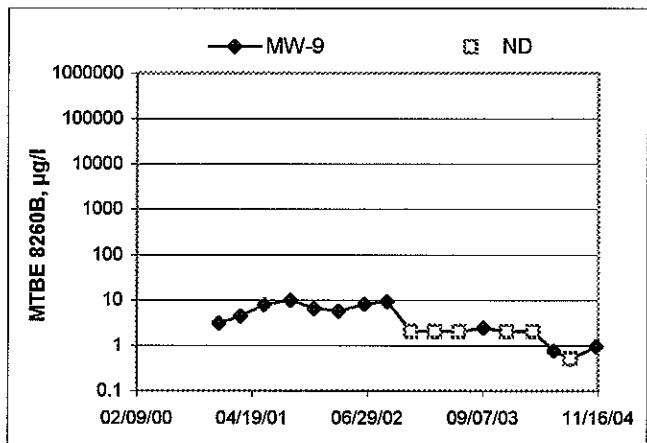
MTBE 8021B Concentrations vs Time
Former Circle K Store 01106



MTBE 8260B Concentrations vs Time
Former Circle K Store 01106



MTBE 8260B Concentrations vs Time
Former Circle K Store 01106



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purgng, and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

Decontamination

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: JOE

Job #/Task #: 41050001

Date: 4/9/04

Site # 01106

Project Manager A. Collins

Page 1 of 1

FIELD MONITORING DATA SHEET

Technician: Wyan

Job #/Task #: 410J2001/FA20

Date: 11/9/01

Site # 01106

Project Manager A. Colby Jr.

Page 1 of 1

GROUNDWATER SAMPLING FIELD NOTES

Technician: Lydell Fahrmeier

Site: 61106

Project No.: 41050001

Date: 11-09-04

Well No.: MWS-1

Purge Method: O

Depth to Water (feet): 8.48

Depth to Product (feet): _____

Total Depth (feet): 14.10

LPH & Water Recovered (gallons): 6

Water Column (feet): 7-62

Casing Diameter (Inches): 3 1/2

80% Recharge Depth (feet): 9.9f

1 Well Volume (gallons): _____

Well No.: MW-9

Purge Method: O

Depth to Water (feet): 11.8

Depth to Product (feet): _____ 6

Total Depth (feet): 19.43

LPH & Water Recovered (gallons): 0

Water Column (feet): 7.58

Casing Diameter (Inches): 2"

GROUNDWATER SAMPLING FIELD NOTES

Site: 61101

Technician: W. J. O'NEIL

Project No.: 4100771

Date: 11/9/09

Well No.: 7110-5

Purge Method: D

Depth to Water (feet): 10.00

Depth to Product (feet): 6

Total Depth (feet): 17-07

LPH & Water Recovered (gallons): 6

Water Column (feet): 7' 6"

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 11.4

1 Well Volume (gallons): _____ 1

Well No.: MW-7

Purge Method: O

Depth to Water (feet): 11.05

Depth to Product (feet): 12

Total Depth (feet): 19.05

LPH & Water Recovered (gallons): 1

Water Column (feet): 6.00

Casing Diameter (Inches): 2"

GROUNDWATER SAMPLING FIELD NOTES

Site: 01106

Technician: JOE

Site: 01106

Project No.: 410 50001/FA20

Date: 11/9/04

Well No.: MW-2

Purge Method: DIA

Depth to Water (feet): 9.85

Depth to Product (feet): 10

Total Depth (feet): 17.06

| PH & Water Recovered (gallons): 0

Water Column (feet): 731

Casing Diameter (inches): 2 1/2"

Water Column (feet): 2.21

Casing Diameter (inches). 2

Well No.: MW-3

Purge Method: DIA

Depth to Water (feet): 8.22

Depth to Product (feet): 6

Total Depth (feet): 16.82

LPH & Water Recovered (gallons): 0

Water Column (feet): 8.60

Casing Diameter (Inches): **2"**

80% Recharge Depth (feet): 9.94

1 Well Volume (gallons): 1

GROUNDWATER SAMPLING FIELD NOTES

Site: JS Atw-4 01106

Technician: JAE

Site: Arrow 01106

Well No.: Miw-4

Depth to Water (feet): 8.14

Total Depth (feet): 17.03

Water Column (feet): 8.8

80% Recharge Depth (feet): 9.4

Purge Method: DIA

Depth to Product (feet): _____ 8

LPH & Water Recovered (gallons): 9

Casing Diameter (Inches): 2"

1 Well Volume (gallons): 2

* Measure only - 15

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
N/A			2				OKPS	
			4					
			6					
Static at Time Sampled			Total Gallons Purged				Time Sampled	
			N/A					
Comments:								

Well No.: MW-6

Depth to Water (feet): 7,91

Total Depth (feet): 16.45

Water Column (feet): 8.54

80% Recharge Depth (feet): 9.

Purge Method: DIA

Depth to Product (feet): 8

LPH & Water Recovered (gallons): 8

Casing Diameter (Inches): 2'

1 Well Volume (gallons): 2

TRC Alton Geoscience- Irvine

December 03, 2004

21 Technology Drive

Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20

Project: Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Attached is our report for your samples received on 11/10/2004 09:25

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/25/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

Alkalinity (Total)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/09/2004 06:20	Water	1
MW-2	11/09/2004 08:35	Water	2
MW-3	11/09/2004 07:42	Water	3
MW-5	11/09/2004 08:00	Water	4
MW-6	11/09/2004 09:25	Water	5
MW-7	11/09/2004 08:42	Water	6
MW-9	11/09/2004 09:15	Water	7

Alkalinity (Total)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): SM2320B

Test(s): SM2320B

Sample ID: MW-1

Lab ID: 2004-11-0314 - 1

Sampled: 11/09/2004 06:20

Extracted: 11/12/2004 10:15

Matrix: Water

QC Batch#: 2004/11/12-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Bicarbonate (as CaCO ₃)	19	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Hydroxide (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity (Total)	19	5.0	mg/L	1.00	11/12/2004 10:15	

Alkalinity (Total)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): SM2320B

Test(s): SM2320B

Sample ID: MW-2

Lab ID: 2004-11-0314 - 2

Sampled: 11/09/2004 08:35

Extracted: 11/12/2004 10:15

Matrix: Water

QC Batch#: 2004/11/12-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Bicarbonate (as CaCO ₃)	81	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Hydroxide (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity (Total)	81	5.0	mg/L	1.00	11/12/2004 10:15	

Alkalinity (Total)

TRC Alton Geoscience- Irvine

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21 Technology Drive
Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-3	Lab ID:	2004-11-0314 - 3
Sampled:	11/09/2004 07:42	Extracted:	11/12/2004 10:15
Matrix:	Water	QC Batch#:	2004/11/12-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Bicarbonate (as CaCO ₃)	19	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Hydroxide (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity (Total)	19	5.0	mg/L	1.00	11/12/2004 10:15	

Alkalinity (Total)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): SM2320B

Test(s): SM2320B

Sample ID: MW-5

Lab ID: 2004-11-0314 - 4

Sampled: 11/09/2004 08:00

Extracted: 11/12/2004 10:15

Matrix: Water

QC Batch#: 2004/11/12-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Bicarbonate (as CaCO ₃)	39	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Hydroxide (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity (Total)	39	5.0	mg/L	1.00	11/12/2004 10:15	

Alkalinity (Total)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-6	Lab ID:	2004-11-0314 - 5
Sampled:	11/09/2004 09:25	Extracted:	11/12/2004 10:15
Matrix:	Water	QC Batch#:	2004/11/12-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Bicarbonate (as CaCO ₃)	76	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Hydroxide (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity (Total)	76	5.0	mg/L	1.00	11/12/2004 10:15	

Alkalinity (Total)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): SM2320B

Test(s): SM2320B

Sample ID: MW-7

Lab ID: 2004-11-0314 - 6

Sampled: 11/09/2004 08:42

Extracted: 11/12/2004 10:15

Matrix: Water

QC Batch#: 2004/11/12-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Bicarbonate (as CaCO ₃)	27	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Hydroxide (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity (Total)	27	5.0	mg/L	1.00	11/12/2004 10:15	

Alkalinity (Total)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): SM2320B

Test(s): SM2320B

Sample ID: MW-9

Lab ID: 2004-11-0314 - 7

Sampled: 11/09/2004 09:15

Extracted: 11/12/2004 10:15

Matrix: Water

QC Batch#: 2004/11/12-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Bicarbonate (as CaCO ₃)	79	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity, Hydroxide (as CaCO ₃)	ND	5.0	mg/L	1.00	11/12/2004 10:15	
Alkalinity (Total)	79	5.0	mg/L	1.00	11/12/2004 10:15	

Alkalinity (Total)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): SM2320B

Test(s): SM2320B

Method Blank

Water

QC Batch # 2004/11/12-01.58

MB: 2004/11/12-01.58-001

Date Extracted: 11/12/2004

Compound	Conc.	RL	Unit	Analyzed	Flag
Alkalinity (Total)	ND	5.0	mg/L	11/12/2004	

Alkalinity (Total)

TRC Alton Geoscience- Irvine

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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): SM2320B

Test(s): SM2320B

Laboratory Control Spike**Water****QC Batch # 2004/11/12-01.58**

LCS 2004/11/12-01.58-002

Extracted: 11/12/2004

Analyzed: 11/12/2004

LCSD 2004/11/12-01.58-003

Extracted: 11/12/2004

Analyzed: 11/12/2004

Compound	Conc.	mg/L	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Alkalinity (Total)	2310	2310	2500	92.4	92.4	0.0	80-120	20		

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/09/2004 06:20	Water	1
MW-2	11/09/2004 08:35	Water	2
MW-3	11/09/2004 07:42	Water	3
MW-5	11/09/2004 08:00	Water	4
MW-6	11/09/2004 09:25	Water	5
MW-7	11/09/2004 08:42	Water	6
MW-9	11/09/2004 09:15	Water	7

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-1	Lab ID:	2004-11-0314 - 1
Sampled:	11/09/2004 06:20	Extracted:	11/20/2004 00:14
Matrix:	Water	QC Batch#:	2004/11/19-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/20/2004 00:14	
Benzene	ND	0.50	ug/L	1.00	11/20/2004 00:14	
Toluene	ND	0.50	ug/L	1.00	11/20/2004 00:14	
Ethyl benzene	ND	0.50	ug/L	1.00	11/20/2004 00:14	
Xylene(s)	ND	0.50	ug/L	1.00	11/20/2004 00:14	
Surrogate(s)						
Trifluorotoluene	107.4	58-124	%	1.00	11/20/2004 00:14	
4-Bromofluorobenzene-FID	75.9	50-150	%	1.00	11/20/2004 00:14	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-2	Lab ID:	2004-11-0314 - 2
Sampled:	11/09/2004 08:35	Extracted:	11/23/2004 15:26
Matrix:	Water	QC Batch#:	2004/11/23-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	86	50	ug/L	1.00	11/23/2004 15:26	Q1
Benzene	ND	0.50	ug/L	1.00	11/23/2004 15:26	
Toluene	ND	0.50	ug/L	1.00	11/23/2004 15:26	
Ethyl benzene	ND	0.50	ug/L	1.00	11/23/2004 15:26	
Xylene(s)	ND	0.50	ug/L	1.00	11/23/2004 15:26	
<i>Surrogate(s)</i>						
Trifluorotoluene	117.3	58-124	%	1.00	11/23/2004 15:26	
4-Bromofluorobenzene-FID	76.3	50-150	%	1.00	11/23/2004 15:26	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 5030
5030Test(s): 8015M
8021B

Sample ID: MW-3

Lab ID: 2004-11-0314 - 3

Sampled: 11/09/2004 07:42

Extracted: 11/20/2004 01:20

Matrix: Water

QC Batch#: 2004/11/19-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	52	50	ug/L	1.00	11/20/2004 01:20	Q1
Benzene	ND	0.50	ug/L	1.00	11/20/2004 01:20	
Toluene	ND	0.50	ug/L	1.00	11/20/2004 01:20	
Ethyl benzene	ND	0.50	ug/L	1.00	11/20/2004 01:20	
Xylene(s)	ND	0.50	ug/L	1.00	11/20/2004 01:20	
<i>Surrogate(s)</i>						
Trifluorotoluene	109.7	58-124	%	1.00	11/20/2004 01:20	
4-Bromofluorobenzene-FID	76.2	50-150	%	1.00	11/20/2004 01:20	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-5	Lab ID:	2004-11-0314 - 4
Sampled:	11/09/2004 08:00	Extracted:	11/20/2004 01:53
Matrix:	Water	QC Batch#:	2004/11/19-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/20/2004 01:53	
Benzene	ND	0.50	ug/L	1.00	11/20/2004 01:53	
Toluene	ND	0.50	ug/L	1.00	11/20/2004 01:53	
Ethyl benzene	ND	0.50	ug/L	1.00	11/20/2004 01:53	
Xylene(s)	ND	0.50	ug/L	1.00	11/20/2004 01:53	
<i>Surrogate(s)</i>						
Trifluorotoluene	109.9	58-124	%	1.00	11/20/2004 01:53	
4-Bromofluorobenzene-FID	78.0	50-150	%	1.00	11/20/2004 01:53	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-6	Lab ID:	2004-11-0314 - 5
Sampled:	11/09/2004 09:25	Extracted:	11/20/2004 02:26
Matrix:	Water	QC Batch#:	2004/11/19-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/20/2004 02:26	
Benzene	ND	0.50	ug/L	1.00	11/20/2004 02:26	
Toluene	ND	0.50	ug/L	1.00	11/20/2004 02:26	
Ethyl benzene	ND	0.50	ug/L	1.00	11/20/2004 02:26	
Xylene(s)	ND	0.50	ug/L	1.00	11/20/2004 02:26	
<i>Surrogate(s)</i>						
Trifluorotoluene	114.3	58-124	%	1.00	11/20/2004 02:26	
4-Bromofluorobenzene-FID	76.1	50-150	%	1.00	11/20/2004 02:26	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-7	Lab ID:	2004-11-0314 - 6
Sampled:	11/09/2004 08:42	Extracted:	11/20/2004 02:59
Matrix:	Water	QC Batch#:	2004/11/19-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/20/2004 02:59	
Benzene	ND	0.50	ug/L	1.00	11/20/2004 02:59	
Toluene	ND	0.50	ug/L	1.00	11/20/2004 02:59	
Ethyl benzene	ND	0.50	ug/L	1.00	11/20/2004 02:59	
Xylene(s)	ND	0.50	ug/L	1.00	11/20/2004 02:59	
<i>Surrogate(s)</i>						
Trifluorotoluene	107.8	58-124	%	1.00	11/20/2004 02:59	
4-Bromofluorobenzene-FID	76.4	50-150	%	1.00	11/20/2004 02:59	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 5030
5030

Test(s): 8015M
8021B

Sample ID: MW-9

Lab ID: 2004-11-0314 - 7

Sampled: 11/09/2004 09:15

Extracted: 11/20/2004 03:32

Matrix: Water

QC Batch#: 2004/11/19-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/20/2004 03:32	
Benzene	ND	0.50	ug/L	1.00	11/20/2004 03:32	
Toluene	ND	0.50	ug/L	1.00	11/20/2004 03:32	
Ethyl benzene	ND	0.50	ug/L	1.00	11/20/2004 03:32	
Xylene(s)	ND	0.50	ug/L	1.00	11/20/2004 03:32	
<i>Surrogate(s)</i>						
Trifluorotoluene	110.2	58-124	%	1.00	11/20/2004 03:32	
4-Bromofluorobenzene-FID	75.3	50-150	%	1.00	11/20/2004 03:32	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20

Received: 11/10/2004 09:25

Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8015M

5030

8021B

Method Blank**Water****QC Batch # 2004/11/19-01.05**

MB: 2004/11/19-01.05-003

Date Extracted: 11/19/2004 08:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/19/2004 08:25	
Benzene	ND	0.5	ug/L	11/19/2004 08:25	
Toluene	ND	0.5	ug/L	11/19/2004 08:25	
Ethyl benzene	ND	0.5	ug/L	11/19/2004 08:25	
Xylene(s)	ND	0.5	ug/L	11/19/2004 08:25	
Surrogates(s)					
Trifluorotoluene	116.5	58-124	%	11/19/2004 08:25	
4-Bromofluorobenzene-FID	81.1	50-150	%	11/19/2004 08:25	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8015M

5030

8021B

Method Blank**Water****QC Batch # 2004/11/23-01.05**

MB: 2004/11/23-01.05-001

Date Extracted: 11/23/2004 10:29

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/23/2004 10:29	
Benzene	ND	0.5	ug/L	11/23/2004 10:29	
Toluene	ND	0.5	ug/L	11/23/2004 10:29	
Ethyl benzene	ND	0.5	ug/L	11/23/2004 10:29	
Xylene(s)	ND	0.5	ug/L	11/23/2004 10:29	
Surrogates(s)					
Trifluorotoluene	114.2	58-124	%	11/23/2004 10:29	
4-Bromofluorobenzene-FID	79.4	50-150	%	11/23/2004 10:29	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike**Water****QC Batch # 2004/11/19-01.05**

LCS 2004/11/19-01.05-004

Extracted: 11/19/2004

Analyzed: 11/19/2004 08:58

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	55.7		50.0	111.4			77-123	20		
Toluene	55.0		50.0	110.0			78-122	20		
Ethyl benzene	50.9		50.0	101.8			70-130	20		
Xylene(s)	166		150	110.7			75-125	20		
Surrogates(s)										
Trifluorotoluene	596		500	119.2			58-124			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike**Water****QC Batch # 2004/11/19-01.05**

LCS 2004/11/19-01.05-005

Extracted: 11/19/2004

Analyzed: 11/19/2004 09:30

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	271		250	108.4			75-125	20		
Surrogates(s) 4-Bromofluorobenzene-FID	413		500	82.6			50-150			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike**Water****QC Batch # 2004/11/23-01.05**

LCS 2004/11/23-01.05-003

Extracted: 11/23/2004

Analyzed: 11/23/2004 11:35

LCSD

Compound	Conc.	ug/L	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	263		250	105.2			75-125	20		
<i>Surrogates(s)</i> 4-Bromofluorobenzene-FID	416		500	83.2			50-150			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike**Water****QC Batch # 2004/11/23-01.05**

LCS 2004/11/23-01.05-004

Extracted: 11/23/2004

Analyzed: 11/23/2004 12:08

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	51.8		50.0	103.6			77-123	20		
Toluene	52.3		50.0	104.6			78-122	20		
Ethyl benzene	53.5		50.0	107.0			70-130	20		
Xylene(s)	160		150	106.7			75-125	20		
Surrogates(s)							58-124			
Trifluorotoluene	541		500	108.2						

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/19-01.05

MS/MSD

Lab ID: 2004-11-0437 - 007

MS: 2004/11/19-01.05-009

Extracted: 11/19/2004

Analyzed: 11/19/2004 11:44

MSD: 2004/11/19-01.05-010

Extracted: 11/19/2004

Dilution: 10.00

Analyzed: 11/19/2004 12:17

Dilution: 10.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Gasoline	4090	4130	2020	2500	82.8	84.4	1.9	65-135	20		
Surrogate(s) 4-Bromofluorobenzene-FID	413	411		500	82.6	82.1		50-150			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/19-01.05

MS/MSD

Lab ID: 2004-11-0475 - 005

MS: 2004/11/19-01.05-016

Extracted: 11/19/2004

Analyzed: 11/19/2004 17:09

MSD: 2004/11/19-01.05-017

Extracted: 11/19/2004

Dilution: 1.00

Analyzed: 11/19/2004 17:41

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	53.6	57.2	ND	50.0	107.2	114.4	6.5	65-135	20		
Toluene	53.7	54.8	ND	50.0	107.4	109.6	2.0	65-135	20		
Ethyl benzene	51.7	52.8	ND	50.0	103.4	105.6	2.1	65-135	20		
Xylene(s)	167	165	ND	150	111.3	110.0	1.2	65-135	20		
<i>Surrogate(s)</i>											
Trifluorotoluene	580	584		500	116.0	116.8		58-124			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/23-01.05

MS/MSD

Lab ID: 2004-11-0682 - 006

MS: 2004/11/23-01.05-006

Extracted: 11/23/2004

Analyzed: 11/23/2004 13:14

MSD: 2004/11/23-01.05-007

Extracted: 11/23/2004

Dilution: 25.00

Analyzed: 11/23/2004 13:47

Dilution: 25.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	1190	1300	46.8	1250	91.5	100.3	9.2	65-135	20		
Toluene	1190	1360	3.98	1250	94.9	108.5	13.4	65-135	20		
Ethyl benzene	1200	1340	1.97	1250	95.8	107.0	11.0	65-135	20		
Xylene(s)	3620	4130	27.7	3750	95.8	109.4	13.3	65-135	20		
<i>Surrogate(s)</i>											
Trifluorotoluene	519	573		500	103.9	114.6		58-124			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Matrix Spike (MS / MSD)**Water****QC Batch # 2004/11/23-01.05**

MS/MSD

Lab ID: 2004-11-0682 - 006

MS: 2004/11/23-01.05-008

Extracted: 11/23/2004

Analyzed: 11/23/2004 14:20

MSD: 2004/11/23-01.05-009

Extracted: 11/23/2004

Dilution: 25.00

Analyzed: 11/23/2004 14:53

Dilution: 25.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	11300	10500	5840	6250	87.4	74.6	15.8	65-135	20		
Surrogate(s) 4-Bromofluorobenzene-FID	376	415		500	75.3	83.1		50-150			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Legend and Notes

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

Gases by 3810M

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Project: 41050001FA20

Received: 11/10/2004 09:25

Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/09/2004 06:20	Water	1
MW-2	11/09/2004 08:35	Water	2
MW-3	11/09/2004 07:42	Water	3
MW-5	11/09/2004 08:00	Water	4
MW-6	11/09/2004 09:25	Water	5
MW-7	11/09/2004 08:42	Water	6
MW-9	11/09/2004 09:15	Water	7

Gases by 3810M

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3810

Test(s): 3810M

Sample ID: MW-1

Lab ID: 2004-11-0314 - 1

Sampled: 11/09/2004 06:20

Extracted: 11/23/2004 15:46

Matrix: Water

QC Batch#: 2004/11/23-01.37

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.010	ug/ml	1.00	11/23/2004 15:46	
Carbon Dioxide	19	2.0	ug/ml	1.00	11/23/2004 15:46	

Gases by 3810M

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3810
Sample ID: MW-2
Sampled: 11/09/2004 08:35
Matrix: Water

Test(s): 3810M
Lab ID: 2004-11-0314 - 2
Extracted: 11/23/2004 15:57
QC Batch#: 2004/11/23-01.37

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.010	ug/ml	1.00	11/23/2004 15:57	
Carbon Dioxide	24	2.0	ug/ml	1.00	11/23/2004 15:57	

Gases by 3810M

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	3810	Test(s):	3810M
Sample ID:	MW-3	Lab ID:	2004-11-0314 - 3
Sampled:	11/09/2004 07:42	Extracted:	11/23/2004 16:06
Matrix:	Water	QC Batch#:	2004/11/23-01.37

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.010	ug/ml	1.00	11/23/2004 16:06	
Carbon Dioxide	26	2.0	ug/ml	1.00	11/23/2004 16:06	

Gases by 3810M

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3810

Test(s): 3810M

Sample ID: MW-5

Lab ID: 2004-11-0314 - 4

Sampled: 11/09/2004 08:00

Extracted: 11/23/2004 16:14

Matrix: Water

QC Batch#: 2004/11/23-01.37

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.010	ug/ml	1.00	11/23/2004 16:14	
Carbon Dioxide	23	2.0	ug/ml	1.00	11/23/2004 16:14	

Gases by 3810M

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3810

Test(s): 3810M

Sample ID: MW-6

Lab ID: 2004-11-0314 - 5

Sampled: 11/09/2004 09:25

Extracted: 11/23/2004 16:22

Matrix: Water

QC Batch#: 2004/11/23-01.37

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.010	ug/ml	1.00	11/23/2004 16:22	
Carbon Dioxide	29	2.0	ug/ml	1.00	11/23/2004 16:22	

Gases by 3810M

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3810

Test(s): 3810M

Sample ID: MW-7

Lab ID: 2004-11-0314 - 6

Sampled: 11/09/2004 08:42

Extracted: 11/23/2004 16:31

Matrix: Water

QC Batch#: 2004/11/23-01,37

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.010	ug/ml	1.00	11/23/2004 16:31	
Carbon Dioxide	21	2.0	ug/ml	1.00	11/23/2004 16:31	

Gases by 3810M

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3810

Test(s): 3810M

Sample ID: MW-9

Lab ID: 2004-11-0314 - 7

Sampled: 11/09/2004 09:15

Extracted: 11/23/2004 16:39

Matrix: Water

QC Batch#: 2004/11/23-01.37

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.010	ug/ml	1.00	11/23/2004 16:39	
Carbon Dioxide	24	2.0	ug/ml	1.00	11/23/2004 16:39	

Gases by 3810M

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 3810

Test(s): 3810M

Method Blank

Water

QC Batch # 2004/11/23-01.37

MB: 2004/11/23-01.37-001

Date Extracted: 11/23/2004 15:37

Compound	Conc.	RL	Unit	Analyzed	Flag
Methane	ND	0.01	ug/ml	11/23/2004 15:37	
Carbon Dioxide	ND	2.0	ug/ml	11/23/2004 15:37	

Gases by 3810M

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 3810

Test(s): 3810M

Laboratory Control Spike**Water****QC Batch # 2004/11/23-01.37**

LCS 2004/11/23-01.37-002
LCSD

Extracted: 11/23/2004

Analyzed: 11/23/2004 15:26

Compound	Conc.	ug/ml	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %	Flags		
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methane	0.0860		0.0721	119.3			65-135	35		

Gases by 3810M

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 3810

Test(s): 3810M

Matrix Spike (MS / MSD)**Water****QC Batch # 2004/11/23-01.37**

MW-9 >> MS

Lab ID: 2004-11-0314 - 007

MS: 2004/11/23-01.37-003

Extracted: 11/23/2004

Analyzed: 11/23/2004 16:46

MSD: 2004/11/23-01.37-004

Extracted: 11/23/2004

Dilution: 1.00

Analyzed: 11/23/2004 16:54

Dilution: 1.00

Compound	Conc.			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/ml	MS	MSD	RPD	Rec.	RPD	MS
Methane	0.0731	0.0719	ND	0.0721	101.4	99.7	1.7	65-135	35		

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/09/2004 06:20	Water	1
MW-2	11/09/2004 08:35	Water	2
MW-3	11/09/2004 07:42	Water	3
MW-5	11/09/2004 08:00	Water	4
MW-6	11/09/2004 09:25	Water	5
MW-7	11/09/2004 08:42	Water	6
MW-9	11/09/2004 09:15	Water	7

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: MW-1

Lab ID: 2004-11-0314 - 1

Sampled: 11/09/2004 06:20

Extracted: 11/20/2004 00:10

Matrix: Water

QC Batch#: 2004/11/19-2B.62

Analysis Flag: (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/20/2004 00:10	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	106.2	73-130	%	1.00	11/20/2004 00:10	
Toluene-d8	105.7	81-114	%	1.00	11/20/2004 00:10	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-2	Lab ID:	2004-11-0314 - 2
Sampled:	11/09/2004 08:35	Extracted:	11/20/2004 00:33
Matrix:	Water	QC Batch#:	2004/11/19-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	130	0.50	ug/L	1.00	11/20/2004 00:33	
Surrogate(s)						
1,2-Dichloroethane-d4	109.8	73-130	%	1.00	11/20/2004 00:33	
Toluene-d8	89.5	81-114	%	1.00	11/20/2004 00:33	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: MW-3

Lab ID: 2004-11-0314 - 3

Sampled: 11/09/2004 07:42

Extracted: 11/20/2004 11:15

Matrix: Water

QC Batch#: 2004/11/20-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	41	0.50	ug/L	1.00	11/20/2004 11:15	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	114.2	73-130	%	1.00	11/20/2004 11:15	
Toluene-d8	95.8	81-114	%	1.00	11/20/2004 11:15	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-5	Lab ID:	2004-11-0314 - 4
Sampled:	11/09/2004 08:00	Extracted:	11/20/2004 11:37
Matrix:	Water	QC Batch#:	2004/11/20-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/20/2004 11:37	
Surrogate(s)						
1,2-Dichloroethane-d4	114.2	73-130	%	1.00	11/20/2004 11:37	
Toluene-d8	99.9	81-114	%	1.00	11/20/2004 11:37	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Received: 11/10/2004 09:25

Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-6	Lab ID:	2004-11-0314 - 5
Sampled:	11/09/2004 09:25	Extracted:	11/20/2004 12:02
Matrix:	Water	QC Batch#:	2004/11/20-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	36	0.50	ug/L	1.00	11/20/2004 12:02	
Surrogate(s)						
1,2-Dichloroethane-d4	97.5	73-130	%	1.00	11/20/2004 12:02	
Toluene-d8	101.9	81-114	%	1.00	11/20/2004 12:02	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-7	Lab ID:	2004-11-0314 - 6
Sampled:	11/09/2004 08:42	Extracted:	11/20/2004 12:24
Matrix:	Water	QC Batch#:	2004/11/20-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	1.8	0.50	ug/L	1.00	11/20/2004 12:24	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	109.9	73-130	%	1.00	11/20/2004 12:24	
Toluene-d8	98.5	81-114	%	1.00	11/20/2004 12:24	

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Project: 41050001FA20

Received: 11/10/2004 09:25

Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-9	Lab ID:	2004-11-0314 - 7
Sampled:	11/09/2004 09:15	Extracted:	11/20/2004 00:10
Matrix:	Water	QC Batch#:	2004/11/19-2C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	0.96	0.50	ug/L	1.00	11/20/2004 00:10	
Surrogate(s)						
1,2-Dichloroethane-d4	104.0	73-130	%	1.00	11/20/2004 00:10	
Toluene-d8	94.0	81-114	%	1.00	11/20/2004 00:10	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Method Blank

Water

QC Batch # 2004/11/19-2B.62

MB: 2004/11/19-2B.62-023

Date Extracted: 11/19/2004 18:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/19/2004 18:23	
Benzene	ND	0.5	ug/L	11/19/2004 18:23	
Toluene	ND	0.5	ug/L	11/19/2004 18:23	
Surrogates(s)					
1,2-Dichloroethane-d4	97.4	73-130	%	11/19/2004 18:23	
Toluene-d8	103.7	81-114	%	11/19/2004 18:23	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Method Blank

Water

QC Batch # 2004/11/19-2C.68

MB: 2004/11/19-2C.68-002

Date Extracted: 11/19/2004 18:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/19/2004 18:02	
Benzene	ND	0.5	ug/L	11/19/2004 18:02	
Toluene	ND	0.5	ug/L	11/19/2004 18:02	
Surrogates(s)					
1,2-Dichloroethane-d4	88.2	73-130	%	11/19/2004 18:02	
Toluene-d8	95.3	81-114	%	11/19/2004 18:02	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Method Blank

Water

QC Batch # 2004/11/20-1A.65

MB: 2004/11/20-1A.65-019

Date Extracted: 11/20/2004 10:19

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/20/2004 10:19	
Benzene	ND	0.5	ug/L	11/20/2004 10:19	
Toluene	ND	0.5	ug/L	11/20/2004 10:19	
Surrogates(s)					
1,2-Dichloroethane-d4	104.6	73-130	%	11/20/2004 10:19	
Toluene-d8	98.2	81-114	%	11/20/2004 10:19	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Received: 11/10/2004 09:25

Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/11/19-2B.62

LCS 2004/11/19-2B.62-001

Extracted: 11/19/2004

Analyzed: 11/19/2004 18:01

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.4		25	105.6		65-165	20			
Benzene	23.5		25	94.0		69-129	20			
Toluene	30.8		25	123.2		70-130	20			
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	480		500	96.0		73-130				
Toluene-d8	465		500	93.0		81-114				

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike**Water****QC Batch # 2004/11/19-2C.68**

LCS 2004/11/19-2C.68-044

Extracted: 11/19/2004

Analyzed: 11/19/2004 17:44

LCSD

Compound	Conc.	ug/L	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.7		25	106.8			65-165	20		
Benzene	27.2		25	108.8			69-129	20		
Toluene	26.6		25	106.4			70-130	20		
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	420		500	84.0			73-130			
Toluene-d8	469		500	93.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike**Water****QC Batch # 2004/11/20-1A.65**

LCS 2004/11/20-1A.65-056

Extracted: 11/20/2004

Analyzed: 11/20/2004 09:56

LCSD

Compound	Conc.		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	32.4		25	129.6			65-165	20		
Benzene	28.4		25	113.6			69-129	20		
Toluene	28.1		25	112.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	421		500	84.2			73-130			
Toluene-d8	482		500	96.4			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/19-2B.62

MS/MSD

Lab ID: 2004-11-0309 - 001

MS: 2004/11/19-2B.62-004

Extracted: 11/19/2004

Analyzed: 11/19/2004 20:04

MSD: 2004/11/19-2B.62-027

Extracted: 11/19/2004

Dilution: 1.00

Analyzed: 11/19/2004 20:27

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	21.6	21.9	ND	25	86.4	87.6	1.4	69-129	20		
Toluene	31.2	28.0	ND	25	124.8	112.0	10.8	70-130	20		
Methyl tert-butyl ether	34.1	35.6	5.84	25	113.0	119.0	5.2	65-165	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	493	475		500	98.6	95.0		73-130			
Toluene-d8	615	555		500	123.0	111.0		81-114		S5	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Received: 11/10/2004 09:25

Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)**Water****QC Batch # 2004/11/19-2C.68**

MW-9 >> MS

Lab ID: 2004-11-0314 - 007

MS: 2004/11/19-2C.68-029

Extracted: 11/20/2004

Analyzed: 11/20/2004 00:29

MSD: 2004/11/19-2C.68-047

Extracted: 11/20/2004

Dilution: 1.00

Analyzed: 11/20/2004 00:47

Dilution: 1.00

Sample / Analysis Flag(s): MSD: N1 (See Legend and Note Section)

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	24.8	18.2	ND	25	99.2	72.8	30.7	69-129	20		R1
Toluene	24.5	16.7	ND	25	98.0	66.8	37.9	70-130	20		R1,M5
Methyl tert-butyl ether	28.3	21.4	0.964	25	109.3	81.7	28.9	65-165	20		R1
Surrogate(s)											
1,2-Dichloroethane-d4	508	544		500	101.5	108.8		73-130			
Toluene-d8	479	461		500	95.8	92.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/20-1A.65

MS/MSD

Lab ID: 2004-11-0299 - 001

MS: 2004/11/20-1A.65-013

Extracted: 11/20/2004

Analyzed: 11/20/2004 13:13

MSD: 2004/11/20-1A.65-037

Extracted: 11/20/2004

Dilution: 1.00

Analyzed: 11/20/2004 13:37

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	30.9	32.0	ND	25	123.6	128.0	3.5	65-165	20		
Benzene	29.5	28.7	ND	25	118.0	114.8	2.7	69-129	20		
Toluene	29.6	27.9	ND	25	118.4	111.6	5.9	70-130	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	399	413		500	79.8	82.6		73-130			
Toluene-d8	513	488		500	102.6	97.6		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Legend and Notes

Analysis Flag

N1

Internal standard out of range.

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

S5

Surrogate recoveries higher than acceptance limits.

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

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Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/09/2004 06:20	Water	1
MW-2	11/09/2004 08:35	Water	2
MW-3	11/09/2004 07:42	Water	3
MW-5	11/09/2004 08:00	Water	4
MW-6	11/09/2004 09:25	Water	5
MW-7	11/09/2004 08:42	Water	6
MW-9	11/09/2004 09:15	Water	7

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 300.0/9056

Test(s): 300.0/9056

Sample ID: MW-1

Lab ID: 2004-11-0314 - 1

Sampled: 11/09/2004 06:20

Extracted: 11/10/2004 18:58

Matrix: Water

QC Batch#: 2004/11/10-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	28	1.0	mg/L	1.00	11/10/2004 18:58	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 300.0/9056

Test(s): 300.0/9056

Sample ID: MW-2

Lab ID: 2004-11-0314 - 2

Sampled: 11/09/2004 08:35

Extracted: 11/10/2004 19:15

Matrix: Water

QC Batch#: 2004/11/10-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	45	1.0	mg/L	1.00	11/10/2004 19:15	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 300.0/9056

Test(s): 300.0/9056

Sample ID: MW-3

Lab ID: 2004-11-0314 - 3

Sampled: 11/09/2004 07:42

Extracted: 11/10/2004 19:33

Matrix: Water

QC Batch#: 2004/11/10-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	3.8	1.0	mg/L	1.00	11/10/2004 19:33	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 300.0/9056

Test(s): 300.0/9056

Sample ID: MW-5

Lab ID: 2004-11-0314 - 4

Sampled: 11/09/2004 08:00

Extracted: 11/10/2004 19:50

Matrix: Water

QC Batch#: 2004/11/10-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	29	1.0	mg/L	1.00	11/10/2004 19:50	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-6	Lab ID:	2004-11-0314 - 5
Sampled:	11/09/2004 09:25	Extracted:	11/10/2004 20:08
Matrix:	Water	QC Batch#:	2004/11/10-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	1.2	1.0	mg/L	1.00	11/10/2004 20:08	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 300.0/9056

Test(s): 300.0/9056

Sample ID: MW-7

Lab ID: 2004-11-0314 - 6

Sampled: 11/09/2004 08:42

Extracted: 11/10/2004 20:26

Matrix: Water

QC Batch#: 2004/11/10-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	11/10/2004 20:26	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 300.0/9056

Test(s): 300.0/9056

Sample ID: MW-9

Lab ID: 2004-11-0314 - 7

Sampled: 11/09/2004 09:15

Extracted: 11/10/2004 20:43

Matrix: Water

QC Batch#: 2004/11/10-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	8.3	1.0	mg/L	1.00	11/10/2004 20:43	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 300.0/9056

Test(s): 300.0/9056

Method Blank**Water****QC Batch # 2004/11/10-01.41**

MB: 2004/11/10-01.41-001

Date Extracted: 11/10/2004 13:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Nitrate	ND	1.0	mg/L	11/10/2004 13:32	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 300.0/9056

Test(s): 300.0/9056

Laboratory Control Spike

Water

QC Batch # 2004/11/10-01.41

LCS 2004/11/10-01.41-002

Extracted: 11/10/2004

Analyzed: 11/10/2004 13:50

LCSD 2004/11/10-01.41-003

Extracted: 11/10/2004

Analyzed: 11/10/2004 14:07

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Nitrate	20.1	20.1	20.0	100.5	100.5	0.0	80-120	20		

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/09/2004 06:20	Water	1
MW-2	11/09/2004 08:35	Water	2
MW-3	11/09/2004 07:42	Water	3
MW-5	11/09/2004 08:00	Water	4
MW-6	11/09/2004 09:25	Water	5
MW-7	11/09/2004 08:42	Water	6
MW-9	11/09/2004 09:15	Water	7

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3010A

Test(s): 6010B

Sample ID: MW-1

Lab ID: 2004-11-0314 - 1

Sampled: 11/09/2004 06:20

Extracted: 11/10/2004 11:38

Matrix: Water

QC Batch#: 2004/11/10-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	1.3	0.0050	mg/L	1.00	11/11/2004 08:49	

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	3010A	Test(s):	6010B
Sample ID:	MW-2	Lab ID:	2004-11-0314 - 2
Sampled:	11/09/2004 08:35	Extracted:	11/10/2004 11:38
Matrix:	Water	QC Batch#:	2004/11/10-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	1.5	0.0050	mg/L	1.00	11/11/2004 08:53	

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3010A

Test(s): 6010B

Sample ID: MW-3

Lab ID: 2004-11-0314 - 3

Sampled: 11/09/2004 07:42

Extracted: 11/10/2004 11:38

Matrix: Water

QC Batch#: 2004/11/10-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.27	0.0050	mg/L	1.00	11/11/2004 08:58	

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3010A

Test(s): 6010B

Sample ID: MW-5

Lab ID: 2004-11-0314 - 4

Sampled: 11/09/2004 08:00

Extracted: 11/10/2004 11:38

Matrix: Water

QC Batch#: 2004/11/10-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.51	0.0050	mg/L	1.00	11/11/2004 09:02	

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3010A

Test(s): 6010B

Sample ID: MW-6

Lab ID: 2004-11-0314 - 5

Sampled: 11/09/2004 09:25

Extracted: 11/10/2004 11:38

Matrix: Water

QC Batch#: 2004/11/10-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	1.7	0.0050	mg/L	1.00	11/11/2004 09:06	

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3010A

Test(s): 6010B

Sample ID: MW-7

Lab ID: 2004-11-0314 - 6

Sampled: 11/09/2004 08:42

Extracted: 11/10/2004 11:38

Matrix: Water

QC Batch#: 2004/11/10-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.89	0.0050	mg/L	1.00	11/11/2004 09:10	

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3010A

Test(s): 6010B

Sample ID: MW-9

Lab ID: 2004-11-0314 - 7

Sampled: 11/09/2004 09:15

Extracted: 11/10/2004 11:38

Matrix: Water

QC Batch#: 2004/11/10-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	1.3	0.0050	mg/L	1.00	11/11/2004 09:15	

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Method Blank**Water****QC Batch # 2004/11/10-06.15**

MB: 2004/11/10-06.15-024

Date Extracted: 11/10/2004 11:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Manganese	ND	0.0050	mg/L	11/11/2004 07:50	

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Laboratory Control Spike**Water****QC Batch # 2004/11/10-06.15**

LCS 2004/11/10-06.15-025
LCSD 2004/11/10-06.15-026

Extracted: 11/10/2004
Extracted: 11/10/2004

Analyzed: 11/11/2004 07:54
Analyzed: 11/11/2004 07:59

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Manganese	0.497	0.508	0.500	99.4	101.6	2.2	80-120	20		

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-7	11/09/2004 08:42	Water	8

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 300.0/9056

Test(s): 300.0/9056

Sample ID: MW-7

Lab ID: 2004-11-0314 - 8

Sampled: 11/09/2004 08:42

Extracted: 11/22/2004 15:40

Matrix: Water

QC Batch#: 2004/11/22-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Sulfate	270	5.0	mg/L	5.00	11/22/2004 15:40	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Received: 11/10/2004 09:25

Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 300.0/9056

Test(s): 300.0/9056

Method Blank**Water****QC Batch # 2004/11/22-01.41**

MB: 2004/11/22-01.41-001

Date Extracted: 11/22/2004 13:37

Compound	Conc.	RL	Unit	Analyzed	Flag
Sulfate	ND	1.0	mg/L	11/22/2004 13:37	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

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Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 300.0/9056

Test(s): 300.0/9056

Laboratory Control Spike**Water****QC Batch # 2004/11/22-01.41**

LCS 2004/11/22-01.41-002

Extracted: 11/22/2004

Analyzed: 11/22/2004 13:55

LCSD 2004/11/22-01.41-003

Extracted: 11/22/2004

Analyzed: 11/22/2004 14:12

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Sulfate	19.3	19.3	20.0	96.5	96.5	0.0	80-120	20		

SEVERN
TRENT

STL

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 231902

Prepared For:

Severn Trent Laboratories
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project: STL-San Francisco

Attention: Dimple Sharma

Date: 11/18/2004

Bonnie Stadelmann

Signature

11/18/04

Date

Name: Bonnie M. Stadelmann
Title: Project Manager
E Mail: bstadelmann@stl-inc.com

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX.: (708) 534-5211

This Report Contains (14) Pages

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION

Date: 11/18/2004

Job Number.: 231902
Customer...: Severn Trent Laboratories
Attn.....: Dimple Sharma

Project Number.....: 20002032
Customer Project ID....: 2004-11-0314
Project Description....: STL San Francisco

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
231902-1	MW-1	Water	11/09/2004	06:20	11/11/2004	10:00
231902-2	MW-2	Water	11/09/2004	08:35	11/11/2004	10:00
231902-3	MW-3	Water	11/09/2004	07:42	11/11/2004	10:00
231902-4	MW-5	Water	11/09/2004	08:00	11/11/2004	10:00
231902-5	MW-6	Water	11/09/2004	09:25	11/11/2004	10:00
231902-6	MW-7	Water	11/09/2004	08:42	11/11/2004	10:00
231902-7	MW-9	Water	11/09/2004	09:15	11/11/2004	10:00

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS							
Job Number: 231902		Date: 11/18/2004					
CUSTOMER: Severn Trent Laboratories		PROJECT: 2004-11-0514	ATTN: Dimple Sharma				
Customer Sample ID: MW-1 Date Sampled.....: 11/09/2004 Time Sampled.....: 06:20 Sample Matrix.....: Water			Laboratory Sample ID: 231902-1 Date Received.....: 11/11/2004 Time Received.....: 10:00				
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH	
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	5.7	5.0	mg/L	11/16/04	rnm	

* In Description * Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS							
Job Number: 231902		Date: 11/16/2004					
CUSTOMER: Severn Trent Laboratories		PROJECT: 2004-11-0314	ATTN: Dilip Sharma				
Customer Sample ID: MW-2 Date Sampled.....: 11/09/2004 Time Sampled.....: 08:35 Sample Matrix.....: Water		Laboratory Sample ID: 231902-2 Date Received.....: 11/11/2004 Time Received.....: 10:00					
TEST/METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH	
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	15	5.0	mg/L	11/16/04	nm	

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS					
Job Number: 231902		Date: 11/18/2004			
CUSTOMER: Severn Trent Laboratories		PROJECT: 2004-11-0314		ATTN: Dimple Sharma	
Customer Sample ID: MW-3 Date Sampled.....: 11/09/2004 Time Sampled.....: 07:42 Sample Matrix.....: Water		Laboratory Sample ID: 231902-3 Date Received.....: 11/11/2004 Time Received.....: 10:00			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	<5.0	5.0	mg/L	11/16/04

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS						
Job Number: 231902		Date: 11/18/2004				
CUSTOMER: Severn Trent Laboratories		PROJECT: 2004-11-0316	ATTN: Dimple Sharma			
Customer Sample ID: MW-5 Date Sampled.....: 11/09/2004 Time Sampled.....: 08:00 Sample Matrix.....: Water		Laboratory Sample ID: 231902-4 Date Received.....: 11/11/2004 Time Received.....: 10:00				
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	<5.0	5.0	mg/L	11/16/04 rnm	

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 231902

Date: 11/18/2004

CUSTOMER: Severn Trent Laboratories

PROJECT: 2004-11-03f4

ATTN: Dimple Sharma

Customer Sample ID: MW-6
Date Sampled.....: 11/09/2004
Time Sampled.....: 09:25
Sample Matrix.....: Water

Laboratory Sample ID: 231902-5
Date Received.....: 11/11/2004
Time Received.....: 10:00

TEST/METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	7.2	5.0	mg/L	11/16/04	rnm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS						
Job Number: 231902		Date: 11/18/2004				
CUSTOMER: Severn Trent Laboratories		PROJECT: 2004-11-0312		ATTN: Dimple Sharma		
Customer Sample ID: MW-7 Date Sampled.....: 11/09/2004 Time Sampled.....: 08:42 Sample Matrix.....: Water		Laboratory Sample ID: 231902-6 Date Received.....: 11/11/2004 Time Received.....: 10:00				
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	18	5.0	mg/L	11/16/04	Pmt

* In Description = Dry Wgt.

Page 7

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LABORATORY TEST RESULTS							
Job Number: 231902		Date: 11/18/2004					
CUSTOMER: Severn Trent Laboratories		PROJECT: 2004-11-0316	ATTN: Dimple Sharma				
Customer Sample ID: MW-9 Date Sampled.....: 11/09/2004 Time Sampled.....: 09:15 Sample Matrix.....: Water		Laboratory Sample ID: 231902-7 Date Received.....: 11/11/2004 Time Received.....: 10:00					
TEST/METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH	
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	7.6	5.0	mg/L	11/16/04	rnm	

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 231902

Date: 11/18/2004

CUSTOMER: Severn Trent Laboratories		PROJECT: 2004-11-0314			ATTN: Dimple Sharma	
Lab ID: 231902-1	Client ID: MW-1	Date Recvd:	11/11/2004	Sample Date:	11/09/2004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	134618	134618	11/16/2004 0006	
PKG INO (WC)	PKG INO (WET CHEMISTRY)	1				
Lab ID: 231902-2	Client ID: MW-2	Date Recvd:	11/11/2004	Sample Date:	11/09/2004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	134618	134618	11/16/2004 0009	
Lab ID: 231902-3	Client ID: MW-3	Date Recvd:	11/11/2004	Sample Date:	11/09/2004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	134618	134618	11/16/2004 0012	
Lab ID: 231902-4	Client ID: MW-5	Date Recvd:	11/11/2004	Sample Date:	11/09/2004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	134618	134618	11/16/2004 0015	
Lab ID: 231902-5	Client ID: MW-6	Date Recvd:	11/11/2004	Sample Date:	11/09/2004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	134618	134618	11/16/2004 0018	
Lab ID: 231902-6	Client ID: MW-7	Date Recvd:	11/11/2004	Sample Date:	11/09/2004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	134618	134618	11/16/2004 0021	
Lab ID: 231902-7	Client ID: MW-9	Date Recvd:	11/11/2004	Sample Date:	11/09/2004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	134618	134618	11/16/2004 0024	

QUALITY CONTROL RESULTS

Job Number.: 231902

Report Date.: 11/18/2004

CUSTOMER: Severn Trent Laboratories

PROJECT: 2904-11-0314

ATTN: Dimple Sharma

Test Method.....	HACH 8000	Batch.....	134618	Analyst.....	TMB
Method Description:	Chemical Oxygen Demand (HACH)	Equipment Code:		Test Code:	COD
Parameter.....	Chemical Oxygen Demand (COD)				

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc. F *	Limits	Date	Time
MB	134618-001		mg/L	3.20000 U						11/16/2004	0000
LCS	134618-002	1041STCD1	mg/L	51.55000		50.00000	3.20000 U	103	% 80-120	11/16/2004	0003

Test Method.....	HACH 8000	Batch.....	134618	Analyst.....	TMB
Method Description:	Chemical Oxygen Demand (HACH)	Equipment Code:		Test Code:	CODK
Parameter.....	Chemical Oxygen Demand (COD-H (pH))				

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc. F *	Limits	Date	Time
MB	134618-001		mg/L	4.21000 B						11/16/2004	0036
LCS	134618-014	1041STCD2	mg/L	454.74000		500.00000		91	X 80-120	11/16/2004	0039

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 11/13/2004

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC, Lab Cert. ID# 100201
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the stated limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.
- F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the stated limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.
- F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

- B MB: Batch QC is greater than reporting limit.
- * LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
- A Concentration exceeds the instrument calibration range
- a Concentration is below the method Reporting Limit (RL)
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound,
- P The lower of the two values is reported when the % difference between the results of two GC columns is

QUALITY ASSURANCE METHODS

DEFINITIONS AND NOTES

Report Date: 11/16/2004

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
GRA	Low Level Standard Check - GFAA; Mercury
GR1	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

Q U A L I T Y A S S U R A N C E M E T H O D S

R E F E R E N C E S A N D N O T E S

Report Date: 11/18/2004

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

231902

Date Shipped: 11/10/2004

2004-11-0314 - 2

SEVERN
TRENT

STL

Chain of Custody

From:	To:			
STL San Francisco (CL) 1220 Quarry Lane Pleasanton, CA 94566-4756	STL Chicago 2417 Bond Street University Park, IL 60466			
Project Manager:	Dimple Sharma	Phone:	(708) 534-5200	Ext:
Phone:	(925) 484-1919	Fax:	(708) 534-5211	
Fax:	(925) 484-1096	Contact:	Bonnie	Stadelmann
Email:	dsharma@stl-inc.com	Phone:	(708) 534-5200	Ext: 154
CL Submission #:	2004-11-0314	Project #:	41050001FA20	
CL PO #:		Project Name:	Conoco Phillips #01106	
1 MW-1	1	11/9/2004 6:20:00AM	Water	
Subcontract - COD			410.4	5 Day
2 MW-2	2	11/9/2004 8:35:00AM	Water	
Subcontract - COD			410.4	5 Day
3 MW-3	3	11/9/2004 7:42:00AM	Water	
Subcontract - COD			410.4	5 Day
4 MW-5	4	11/9/2004 8:00:00AM	Water	
Subcontract - COD			410.4	5 Day
5 MW-6	5	11/9/2004 9:25:00AM	Water	
Subcontract - COD			410.4	5 Day
6 MW-7	6	11/9/2004 8:42:00AM	Water	
Subcontract - COD			410.4	5 Day
7 MW-9	7	11/9/2004 9:15:00AM	Water	
Subcontract - COD			410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY:	1.
	14:30
Signature	Time
Erian Thomas 11/10/04	
Printed Name	Date
STL-SF	
Company	
RECEIVED BY:	1.
	10:00
Signature	Time
JLT	
Printed Name	Date
11/11/04	
Company	

RELINQUISHED BY:	2.
Signature	Time
Printed Name	Date
Company	
RECEIVED BY:	2.
Signature	Time
Printed Name	Date
Company	

RELINQUISHED BY:	3.
Signature	Time
Printed Name	Date
Company	
RECEIVED BY:	3.
Signature	Time
Printed Name	Date
Company	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/09/2004 06:20	Water	1
MW-2	11/09/2004 08:35	Water	2
MW-3	11/09/2004 07:42	Water	3
MW-5	11/09/2004 08:00	Water	4
MW-6	11/09/2004 09:25	Water	5
MW-7	11/09/2004 08:42	Water	6
MW-9	11/09/2004 09:15	Water	7

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	MW-1	Lab ID:	2004-11-0314 - 1
Sampled:	11/09/2004 06:20	Extracted:	11/10/2004 10:25
Matrix:	Water	QC Batch#:	2004/11/10-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.010	mg/L	1.00	11/10/2004 10:35	H2

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Received: 11/10/2004 09:25

Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Sample ID: MW-2

Lab ID: 2004-11-0314 -2

Sampled: 11/09/2004 08:35

Extracted: 11/10/2004 10:25

Matrix: Water

QC Batch#: 2004/11/10-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.010	mg/L	1.00	11/10/2004 10:35	H2

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Received: 11/10/2004 09:25

Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Sample ID: MW-3

Lab ID: 2004-11-0314 - 3

Sampled: 11/09/2004 07:42

Extracted: 11/10/2004 10:25

Matrix: Water

QC Batch#: 2004/11/10-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.010	mg/L	1.00	11/10/2004 10:35	H2

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Sample ID: MW-5

Lab ID: 2004-11-0314 - 4

Sampled: 11/09/2004 08:00

Extracted: 11/10/2004 10:25

Matrix: Water

QC Batch#: 2004/11/10-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.010	mg/L	1.00	11/10/2004 10:35	H2

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Sample ID: MW-6

Lab ID: 2004-11-0314 - 5

Sampled: 11/09/2004 09:25

Extracted: 11/10/2004 10:25

Matrix: Water

QC Batch#: 2004/11/10-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.010	mg/L	1.00	11/10/2004 10:35	H2

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Sample ID: MW-7

Lab ID: 2004-11-0314 - 6

Sampled: 11/09/2004 08:42

Extracted: 11/10/2004 10:25

Matrix: Water

QC Batch#: 2004/11/10-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.010	mg/L	1.00	11/10/2004 10:35	H2

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Sample ID: MW-9

Lab ID: 2004-11-0314 - 7

Sampled: 11/09/2004 09:15

Extracted: 11/10/2004 10:25

Matrix: Water

QC Batch#: 2004/11/10-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.010	mg/L	1.00	11/10/2004 10:35	H2

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Method Blank**Water****QC Batch # 2004/11/10-01.72**

MB: 2004/11/10-01.72-001

Date Extracted: 11/10/2004 10:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Ferrous Iron	ND	0.01	mg/L	11/10/2004 10:35	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Laboratory Control Spike**Water****QC Batch # 2004/11/10-01.72**

LCS 2004/11/10-01.72-002

Extracted: 11/10/2004

Analyzed: 11/10/2004 10:35

LCSD 2004/11/10-01.72-003

Extracted: 11/29/2004

Analyzed: 11/29/2004

Compound	Conc.	mg/L	Exp.Conc.	Recovery %	RPD	Ctrl.Limits %	Flags			
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Ferrous Iron	0.978	0.990	1	97.8	99.0	184.	80-120	20		

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Received: 11/10/2004 09:25

Conoco Phillips #01106

Site: 1613 Central Ave., McKinleyville

Batch QC Report

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Matrix Spike (MS / MSD)**Water****QC Batch # 2004/11/10-01.72**

MW-9 >> MS

Lab ID: 2004-11-0314 - 007

MS: 2004/11/10-01.72-004

Extracted: 11/10/2004

Analyzed: 11/10/2004 10:35

MSD: 2004/11/10-01.72-005

Extracted: 11/10/2004

Dilution: 1.00

Analyzed: 11/10/2004 10:35

Dilution: 1.00

Compound	Conc. mg/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		mg/L	MS	MSD	RPD	Rec.	RPD	MS
Ferrous Iron	0.884	0.905	ND	1	88.4	90.5	2.3	80-120	20		

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #01106

Received: 11/10/2004 09:25

Site: 1613 Central Ave., McKinleyville

Legend and Notes

Result Flag

H2

Analyzed out of holding time.

Ms. Tina Totorica
 STL San Francisco
 1220 Quarry Lane, #C
 Pleasanton, CA 94566-4756

3942-A Valley Avenue
 Pleasanton, CA 94566-4715

Tel: 925.462.2771
 Fax: 925.462.2775

Sample Source:
 Project No.: 2004-11-0314
 Project Name: Conoco Phillips #01106
 Date Sampled: 11/09/04
 Date Received: 11/10/04
 Matrix: Water

15 November, 2004
 Job No.0411076
 Sample No.001-007
 Cust. No.10176

Analyte	Results	Detection Limit	Method	Date Analyzed
Lab No.001 Sample I.D.: MW-1 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	11/10-15/04
Lab No.002 Sample I.D.: MW-2 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	11/10-15/04
Lab No.003 Sample I.D.: MW-3 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	11/10-15/04
Lab No.004 Sample I.D.: MW-5 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	11/10-15/04
Lab No.005 Sample I.D.: MW-6 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	11/10-15/04
Lab No.006 Sample I.D.: MW-7 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	11/10-15/04
Lab No.007 Sample I.D.: MW-9 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	11/10-15/04


 Cheryl McMillen
 Laboratory Director

STL San Francisco
15 November, 2004
Job No.0411076
Page 2 of 2

QUALITY CONTROL DATA - Biochemical Oxygen Demand (BOD)

Standard Method No.5210 B.

Date Analyzed: November 10-15, 2004

Laboratory Control Sample Summary

	Blank Result	True Value	Recovery (mg/L)		Relative Percent Difference
			LCS	LCSD	
BOD (mg/L):	N.D.	198	221.25	220.50	0.3
Reporting Limit (mg/L):	6				
QC Limits:			166-230		25

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 11 - 0314Checklist completed by: (initials) DSN Date: 11/10/04Courier name: STL San Francisco Client FedXCustody seals intact on shipping container/samples

Chain of custody present?

Yes No _____ Not Present _____

Chain of custody signed when relinquished and received?

Yes No _____

Chain of custody agrees with sample labels?

Yes No _____

Samples in proper container/bottle?

Yes No _____

Sample containers intact?

Yes No

Sufficient sample volume for indicated test?

Yes No _____

All samples received within holding time?

Yes No _____Container/Temp Blank temperature in compliance ($4^{\circ}\text{C} \pm 2$)?Temp: 3 $^{\circ}\text{C}$ Yes No _____ Potential reason for $> 6^{\circ}\text{C}$ – Ice melted Ice in bags Not enough ice Not enough blue ice Samples in boxes Sampled < 4 hr. ago? Ice not required (e.g. air or bulk sample)

Ice Present Yes _____ No _____

Water - VOA vials have zero headspace?

No VOA vials submitted Yes No _____

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? Yes No pH adjusted – Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc – Lot # (s) _____

For any item check-listed “No”, provided detail of discrepancy in comment section below:

Comments: I preserved VOA, 1 Amber for MW-7 received broken -
I preserved VOA for MW-1 broken and 1 VOA for MW-9
received broken - 1 AMBER for MW-3 broken

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) AS Date: 11/10/04 Client contacted: Yes NoSummary of discussion: emailed Adrienne of all the broken samples.Corrective Action (per PM/Client):

STL-San Francisco

ConocoPhillips Chain Of Custody Record

95548

SEVERN
TRENT

STL

Chain of Custody

Date Shipped: 11/10/2004

2004-11-0314 - 1

From:	To:		
STL San Francisco (CL) 1220 Quarry Lane Pleasanton, CA 94566-4756	Cerco Analytical - SUB CONTRACT ONLY 3942 Valley Avenue, Suite A Pleasanton, CA 94566		
Project Manager: Dimple Sharma Phone: (925) 484-1919 Ext:	Phone: (925) 462-2771 Ext: Fax: (925) 462-2775		
Fax: (925) 484-1096 Email: dsharma@stl-inc.com	Contact: Darlene Langford Phone: (925) 462-2771 Ext:		
CL Submission #: 2004-11-0314	Project #: 41050001FA20		
CL PO #:	Project Name: Conoco Phillips #01106		
Client Sample ID	CL#	Sampled	Matrix
Analysis		Method	TAT
MW-1	1	11/9/2004 6:20:00AM	Water
Subcontract - BOD		SM5210B	10 Day
MW-2	2	11/9/2004 8:35:00AM	Water
Subcontract - BOD		SM5210B	10 Day
MW-3	3	11/9/2004 7:42:00AM	Water
Subcontract - BOD		SM5210B	10 Day
MW-5	4	11/9/2004 8:00:00AM	Water
Subcontract - BOD		SM5210B	10 Day
MW-6	5	11/9/2004 9:25:00AM	Water
Subcontract - BOD		SM5210B	10 Day
MW-7	6	11/9/2004 8:42:00AM	Water
Subcontract - BOD		SM5210B	10 Day
MW-9	7	11/9/2004 9:15:00AM	Water
Subcontract - BOD		SM5210B	10 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

CA04 11076

RELINQUISHED BY:	1.
<i>Denee Harrington</i>	
Signature	Time
<i>D. Harrington</i>	11:20
Printed Name	Date
<i>STL-SF</i>	11/10/04
Company	

RELINQUISHED BY:	2.
<i>Brynn</i>	
Signature	Time
<i>Bryan Thomas</i>	11/10/04
Printed Name	Date
<i>STL-SF</i>	
Company	

RELINQUISHED BY:	3.
Signature	Time
Printed Name	Date
Company	

RECEIVED BY:	1.
<i>Brynn</i>	
Signature	Time
<i>Bryan Thomas</i>	11/10/04
Printed Name	Date
<i>STL-SF</i>	
Company	

RECEIVED BY:	2.
<i>Denee Harrington</i>	
Signature	Time
<i>Denee Harrington</i>	11/10/04
Printed Name	Date
<i>STL-SF</i>	
Company	

RECEIVED BY:	3.
Signature	Time
Printed Name	Date
Company	

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures – Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum for transportation and disposal by Filter Recycling, Inc.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.